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Farmer Cooperative Statistics, 1987



ABSTRACT

FARMER COOPERATIVE STATISTICS, 1987, by Ralph M. Richardson, Celestine C. Adams, Katherine C. DeVille, Charles A. Kraenzle, Beverly L. Rotan, Rachelle A. Sanders, and John W. Stutzman, Statistics and Technical Services Staff; Agricultural Cooperative Service, U.S. Department of Agriculture, Post Office Box 96576, Washington, DC 20090-6576, ACS Service Report 24, April 1989.

A survey of U.S. farmer cooperatives for calendar year 1987 showed only a slight increase in business volume but the highest net income since 1980. Gross business and net business volume are reported for 5,109 cooperatives. Business volume, number of cooperatives, and cooperative memberships are reported by commodity for those cooperatives classified as marketing, farm supply, and service. Cooperative growth trends show changes in cooperative numbers, memberships, business size, and sales volume. Data on balance sheet and net income and selected activities of other service organizations are reported.

Key words: cooperatives, statistics, business volume, memberships, balance sheet, net income.

ACS Service Report 24, April 1989.

PREFACE

Farmer cooperative statistics are collected annually to provide information on the progress and trends in cooperatives' growth and development. Many people use these statistics for various purposes such as research, technical assistance, education, planning, and public policy. Acquiring, analyzing, and disseminating farmer cooperative statistics are authorized by the Cooperative Marketing Act of 1926.

This report provides aggregate information on the number, membership, and business volume of farmer cooperatives classified by commodity and functional type. Both gross (includes intercooperative business) and net (excludes intercooperative business) dollar volumes of cooperatives are reported.

Basic information is provided on the balance sheet and net income of farmer cooperatives by principal product marketed and major functional type.

Data are collected from individual farmer cooperatives by mail survey of organizations identified by Agricultural Cooperative Service (ACS) as meeting the requirements of the ACS definition of a farmer cooperative.

A combination of census and sampling procedures is employed to reduce the work of collecting and assembling data, to reduce respondent burden, and to enable more timely publishing of statistics.

A census of all farmer cooperatives is conducted every 4 years. Stratified random samples are used in the alternate years. The 1987 survey is a census.

ACS depends on the cooperative community's response to its annual survey to develop a detailed and comprehensive set of statistics on farmer cooperatives. The time and effort taken to provide information and the rapidity with which it is furnished are greatly appreciated.

Appreciation is extended to Linda E. Browne for assisting with the typing of tables and text and to John H. Wells for helping in the preparation of figures.

CONTENTS

	Page
HIGHLIGHTS.....	vi
I--DEFINITION OF A FARMER COOPERATIVE.....	1
Classification of Cooperatives.....	2
Organizational Structures.....	3
Centralized.....	3
Federated.....	3
Mixed.....	3
II--COOPERATIVE GROWTH TRENDS.....	4
Number of Organizations.....	4
Business Size.....	4
Business Volume.....	4
III--1987 STATISTICS.....	11
Number of Cooperatives.....	11
Memberships.....	12
Business Volume.....	12
Net Income.....	25
Balance Sheet.....	46
Other Service Organizations.....	51
Federal Land Bank Associations.....	51
Production Credit Associations.....	51
Banks for Cooperatives.....	51
Rural Telephone Cooperatives.....	51
Rural Electric Cooperatives.....	59
Rural Credit Unions.....	59
Dairy Herd Improvement Associations.....	59

HIGHLIGHTS

The 1987 survey of marketing, farm supply, and selected service cooperatives showed a significant increase in net income, a slight increase in business volume, and a decline in memberships and number of organizations.

Farmer cooperatives' net income was more than \$1,486 million, a 116.0 percent increase from the \$688 million in 1986 and the highest since 1980. The \$1,486 million included intercooperative dividends and refunds of \$63 million--down 55.1 percent from \$140 million in 1986.

Total gross business volume (including intercooperative business) handled by cooperatives amounted to \$74.5 billion, up 2.0 percent from \$73.0 billion in 1986.

Total net business, excluding business done between cooperatives, amounted to \$59.2 billion, up 1.3 percent from the \$58.4 billion in 1986.

The total number of cooperatives dropped from 5,369 to 5,109, a net decrease of 260 associations. Each year, new cooperatives are formed and others disappear as they go out of business due to consolidation, merger, acquisition, or unsuccessful operations.

Cooperative memberships of 4,439,999 were down from 4,600,000 in 1986.

The gross value of farm products marketed by cooperatives amounted to \$50.5 billion, an increase of 6.1 percent from \$47.6 billion. The net value of these farm products, after eliminating duplication resulting from intercooperative business, amounted to \$43.3 billion, a 4.2 percent increase from \$41.5 billion.

The gross value of farm supplies handled by farmer cooperatives amounted to \$22.1 billion, decreasing 6.5 percent from \$23.6 billion in 1986. The net value of these supplies, after intercooperative business was eliminated, amounted to \$14.0 billion, down 7.3 percent from \$15.1 billion.

Receipts for selected services related to marketing farm products and handling farm supplies amounted to \$1.9 billion, an increase of 7.4 percent from \$1.8 billion.

Combined assets for all farmer cooperatives totaled \$27.6 billion, up 4.3 percent from the \$26.5 billion for 1986. Net assets, after eliminating intercooperative investments, were \$24.8 billion in 1987, compared with \$23.6 billion in 1986, a 5.0 percent increase.

Total liabilities were \$14.8 billion in 1987, up 1.5 percent from \$14.6 billion reported in 1986.

Net worth, or member and patron equity, increased 7.8 percent from \$11.9 billion to \$12.8 billion. Member and patron equity financed 46.4 percent of total assets, up from 44.9 percent.

Highlights Capsule

	<u>1986</u>	<u>1987</u>
Number of cooperatives	5,369	5,109
Memberships	4,600,000	4,439,999
Business volume (Mil. dol.)	58,395	59,166
Net margins (Mil. dol.)	688	1,486
Total assets (Mil. dol.)	26,496	27,643

Leading States:

	<u>1985</u>	<u>1987</u>
Number of cooperatives	Minnesota (566)	Minnesota (519)
Memberships	Minnesota (423,983)	Minnesota (370,660)
Business volume (Mil. dol.)	Iowa (5,916)	California (6,414)

FARMER COOPERATIVE STATISTICS, 1987

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I--DEFINITION OF A FARMER COOPERATIVE

For inclusion in the annual survey, a cooperative is defined as one that meets the following requirements:

(1) Farmers or agricultural producers hold the controlling interest in the cooperative; (2) no member of the cooperative is allowed more than one vote because of the amount of stock or membership capital owned, or the cooperative does not pay dividends on stock or membership capital in excess of 8 percent a year, or the legal rate in the State, whichever is higher; and (3) the cooperative does not deal in products of nonmembers in an amount greater in value than it handles for its members.

This definition may result in larger or smaller numbers of farmer cooperatives than are found in lists or directories of State agencies or cooperative councils. Agricultural Cooperative Service (ACS) includes only marketing, farm supply, and selected service cooperatives on its list. Livestock shipping associations and wool pools are included as marketing cooperatives. Many State lists include other types of cooperatives such as production, credit, telephone, electric, and consumer cooperatives as well as those that do not fulfill ACS's definition. Another reason for differences in the count or number of cooperatives is that cooperatives may operate in a specific State for a considerable period of time before they are included in the national survey. This may be due to one of the following reasons: (1) ACS may not learn of the existence of the cooperative immediately; (2) the cooperative may not have completed and returned the initial questionnaire; or (3) no notification is received of a cooperative that discontinues operating.

Readers who wish to make comparisons from year to year in specific commodity groups, therefore, should keep in mind the differences in lists and classifications in State and Federal data.

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Classification of Cooperatives

Statistics are presented according to a cooperative's major function or classification, such as marketing, farm supply, and selected service. These classifications are defined as follows:

Marketing cooperatives are associations whose primary business is marketing farm products for members--that is, more than 50 percent of total dollar volume was derived from the sale of members' farm products. Marketing cooperatives are further classified according to which major commodity of 13 classifications is predominant (in terms of dollar volume) in each association's business. If a cooperative consistently indicates it is handling a larger volume of a commodity than the one it was originally organized to handle, and which provided the basis for its initial classification, it is reclassified by the commodity currently representing the predominant product in its business volume.

Cooperatives first furnished data by individual commodities handled and services performed in the 1950-51 survey. 2/ Cooperatives operating on a multistate basis were asked to furnish information on memberships and business volumes for the individual States they served. Before that time, all memberships and business were credited to the States in which each association maintained its headquarters.

Farm supply cooperatives are those whose farm supply business accounted for more than 50 percent of total dollar volume.

Farm supply cooperatives include those handling all types of farm production supplies and equipment such as feed, seed, fertilizer, petroleum products, farmstead equipment, and building supplies. Some also handle farm and home items such as heating oil, lawn and garden equipment, and food.

Service cooperatives are those predominantly involved in providing specialized business services related to the agricultural business operations of farmers, ranchers, or cooperatives.

Many cooperatives handle more than one commodity and provide both marketing and farm supply services, as well as facilities and equipment to perform related services such as storing, drying, and trucking. These associations are classified according to the predominant commodity or function as indicated by their business volumes.

Service cooperatives are those whose major functions are trucking, storing, drying, artificial insemination, or similar services. Other types of service cooperatives such as production credit associations, rural credit unions, rural electric cooperatives, and dairy herd improvement associations are presented separately.

2/ A detailed discussion of the revisions initiated in statistical methods in 1950-51 was given in Statistics of Farmers' Marketing, Purchasing, and Service Cooperatives, 1950-51, U.S. Dept. Agr., Farm Credit Admin., Misc. Rpt. 169, March 1953, pp. 1-3.

Organizational Structures

Centralized

Most farmer cooperatives are centralized organizations. Individual farmers make up the membership. These 4,965 centralized cooperatives usually serve a local area or community, county, or several counties. Most local associations usually perform a limited number of the first steps of marketing. In farm supply associations, practically all sales are at the retail level. A few centralized cooperatives operate over large geographic areas and have members in several States. They often provide more vertically integrated services such as processing farm products or manufacturing feed and fertilizer.

Bargaining associations usually have centralized organizational structures. These associations derive all or a major portion of business volume from negotiating with distributors, processors, and other buyers and sellers over price, quantities, grade, terms of sale, and other factors involved in marketing farm products; only a few bargain for the purchase of farm supplies. While the primary function of such an association is to bring buyers and sellers together to contract for the sale of members' products, many bargaining associations now perform additional functions. For example, dairy bargaining associations at one time generally performed only price negotiation. Now, many perform additional functions, such as physically handling a portion of the milk and making spot sales for their patrons. Bargaining associations, like other dairy marketing cooperatives, represent their members at Federal or State milk marketing order hearings.

Federated

Federated cooperatives comprise two or more member associations organized to market farm products, purchase production supplies, or perform bargaining functions.

Member associations often operate at points quite distant from federation headquarters. Eighty-seven federated cooperatives have been identified. Individual farmers are not members of strictly federated associations; rather, they are members of cooperatives that comprise the federation--sometimes called a regional cooperative. Also, some federations are made up of regional cooperatives--often called interregional associations.

Mixed

A small number of cooperatives have both individual farmer-members and autonomous cooperative members. Therefore, these associations are a combination of both the centralized and federated structures. Often, these cooperatives serve large geographic areas with members in many States and provide a variety of integrated services. Fifty-seven cooperatives have been identified as having a "mixed" structure.

II--COOPERATIVE GROWTH TRENDS

As cooperatives declined in number, they grew in size and increased their importance as purchasers of supplies and marketers of products for members. Business volume of farmer cooperatives increased more than 25 percent (with some fluctuation in the early 1980's) in the decade between calendar years 1978 and 1987.

Number of Organizations

The total number of marketing, farm supply, and service cooperatives declined from 6,600 in 1978 to 5,109 in 1987 (table 1 and fig. 1). The number of marketing cooperatives declined from 3,930 to 3,054 and farm supply cooperatives from 2,550 to 1,941. Number of selected service cooperatives decreased slightly from 120 to 114.

Business Size

Measured by annual gross business volume, farmer cooperatives increased in size. Although the majority of cooperatives remain small and primarily serve local areas, several are seeking regional, national, or even international markets as a means of business growth and survival.

The increased size of individual cooperatives comes in part from mergers and consolidations. However, data used were not adjusted for changes in price levels and some size changes are due in part to inflationary effects.

In 1987, 66.9 percent of all farmer cooperatives reported business volumes of less than \$5 million, representing 8.2 percent of the total gross dollar volume (table 2 and fig. 2). Only 1 percent of farmer cooperatives reported business volumes of \$250 million or more. These cooperatives, however, accounted for 51.7 percent of total sales.

The 100 largest cooperatives (usually operating over large geographic areas) make up an important segment of farmer cooperatives. During 1977, the 100 largest cooperatives accounted for about \$34.1 billion, or 58 percent of total gross business volume. ^{3/} By 1987, the 100 largest cooperatives ^{4/} accounted for more than \$43.1 billion in business volume, 57.9 percent of the total. These cooperatives, however, directly and through member cooperatives serve a large proportion of the total memberships.

Business Volume

Net cooperative business, unadjusted for changes in the price level, increased from \$47.3 billion in 1978 to \$59.2 billion in 1987 (table 3 and fig. 3).

^{3/} Comparable data not available for 1978.

^{4/} Based on amount of annual gross sales (includes intercooperative sales) but without regard to size of assets.

Table 1--Number and percentage of predominantly marketing, farm supply, and service cooperatives, selected years

Period ^{1/}	<u>Marketing</u>		<u>Farm supply</u>		<u>Service</u>		<u>Total</u>	
	<u>Number</u>	<u>Percent</u>	<u>Number</u>	<u>Percent</u>	<u>Number</u>	<u>Percent</u>	<u>Number</u>	<u>Percent</u>
1950-51	6,519	64.8	3,283	32.6	262	2.6	10,064	100
1955-56	6,284	63.5	3,375	34.1	235	2.4	9,894	100
1960-61	5,727	62.5	3,222	35.2	214	2.3	9,163	100
1961-62	5,626	62.2	3,206	35.5	207	2.3	9,039	100
1962-63	5,502	61.8	3,211	36.0	194	2.2	8,907	100
1963-64	5,421	61.3	3,226	36.5	200	2.2	8,847	100
1964-65	5,305	61.8	3,085	35.9	193	2.3	8,583	100
1965-66	5,194	62.4	2,949	35.4	186	2.2	8,329	100
1966-67	5,076	62.5	2,871	35.3	178	2.2	8,125	100
1967-68	4,929	62.1	2,835	35.7	176	2.2	7,940	100
1968-69	4,773	61.6	2,793	36.1	181	2.3	7,747	100
1969-70	4,834	62.1	2,775	35.6	181	2.3	7,790	100
1970-71	5,097	63.7	2,731	34.2	167	2.1	7,995	100
1971-72	4,864	62.4	2,781	35.7	152	1.9	7,797	100
1972-73	4,897	62.3	2,801	35.7	156	2.0	7,854	100
1973-74	4,822	62.2	2,778	35.8	155	2.0	7,755	100
1974-75	4,770	62.4	2,729	35.7	146	1.9	7,645	100
1975-76	4,658	61.8	2,731	36.3	146	1.9	7,535	100
1976-77	4,008	59.5	2,593	38.5	135	2.0	6,736	100
1978 ^{2/}	3,930	59.6	2,550	38.6	120	1.8	6,600	100
1979	3,825	59.3	2,507	38.9	113	1.8	6,445	100
1980	3,808	60.5	2,369	37.7	116	1.8	6,293	100
1981	3,743	60.3	2,356	37.9	112	1.8	6,211	100
1982	3,714	60.7	2,299	37.5	112	1.8	6,125	100
1983	3,647	60.9	2,208	36.9	134	2.2	5,989	100
1984	3,514	60.8	2,136	36.9	132	2.3	5,782	100
1985	3,441	61.2	2,036	36.2	148	2.6	5,625	100
1986	3,260	60.7	1,971	36.7	138	2.6	5,369	100
1987	3,054	59.8	1,941	38.0	114	2.2	5,109	100

^{1/} For years before 1950-51, see Cooperative Historical Statistics, CIR 1, Section 26, USDA, ACS, Wash., DC, Revised October 1987.

^{2/} Previously, data for farmer cooperatives were reported on a fiscal year basis. Beginning in 1978, data were included for the calendar year. Data for 1978 were estimated.

Figure 1

Farmer Cooperatives in the United States

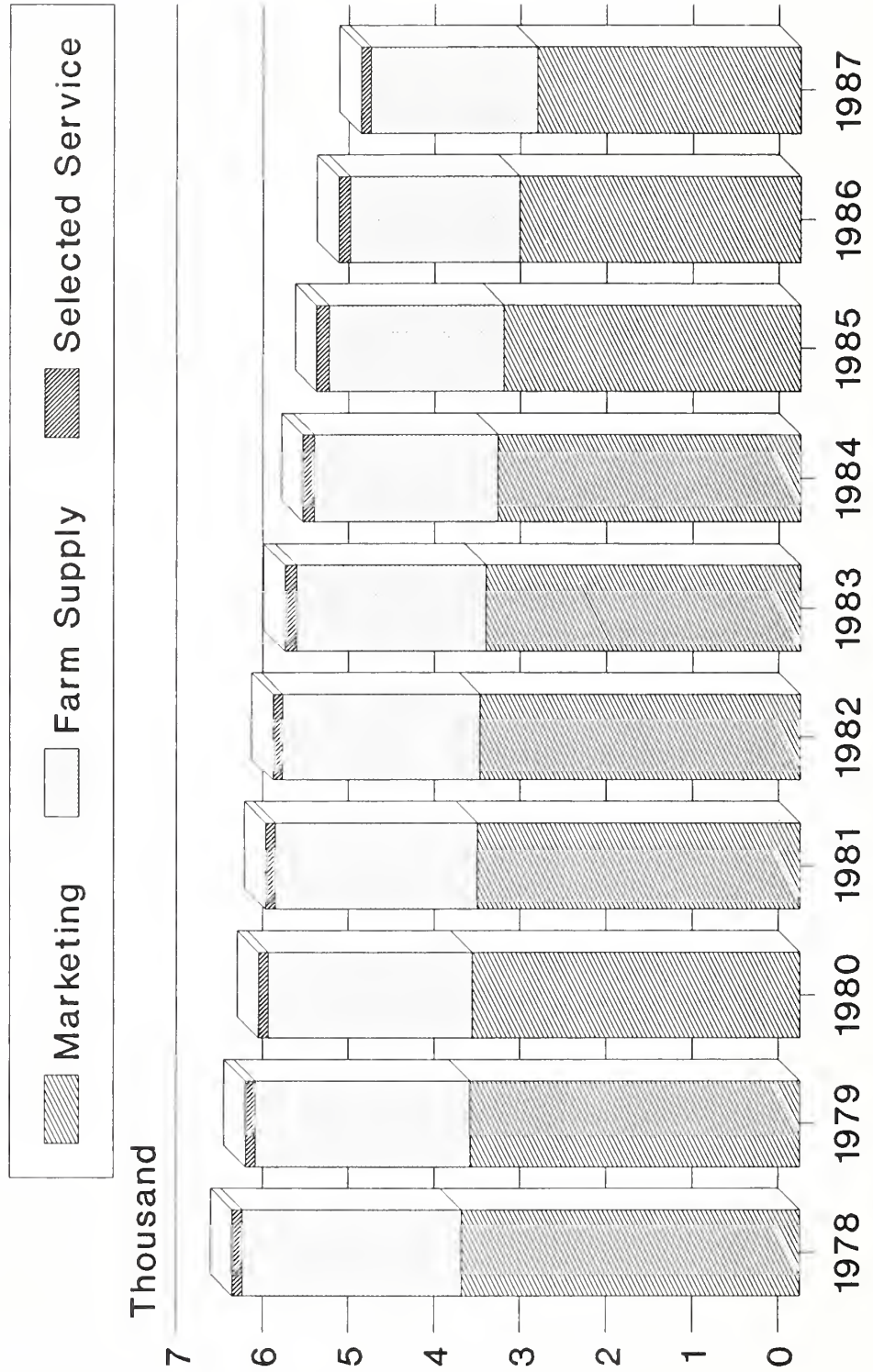


Table 2--Farmer cooperatives grouped by gross business volume, 1987

Volume group (mil. dol.)	Cooperatives		Dollar volume	
	Number	Percent of total	Gross <u>1</u> / (mil. dol.)	Percent of total
Less than \$5.0	3,417	66.9	6,085	8.2
\$5 - 9.9	893	17.5	6,324	8.5
\$10 - 14.9	296	5.8	3,598	4.8
\$15 - 24.9	219	4.3	4,171	5.6
\$25 - 49.9	135	2.6	4,686	6.3
\$50 - 99.9	47	.9	3,264	4.4
\$100 - 199.9	44	.9	6,408	8.6
\$200 - 249.9	6	.1	1,379	1.9
\$250 - 499.9	28	.5	10,001	13.4
\$500 - 999.9	15	.3	10,235	13.7
\$1,000 and more	9	.2	18,306	24.6
Total	5,109	100.0	74,457	100.0

1/ Includes intercooperative volume.

Figure 2

Farmer Cooperatives Grouped by Gross Business Volume

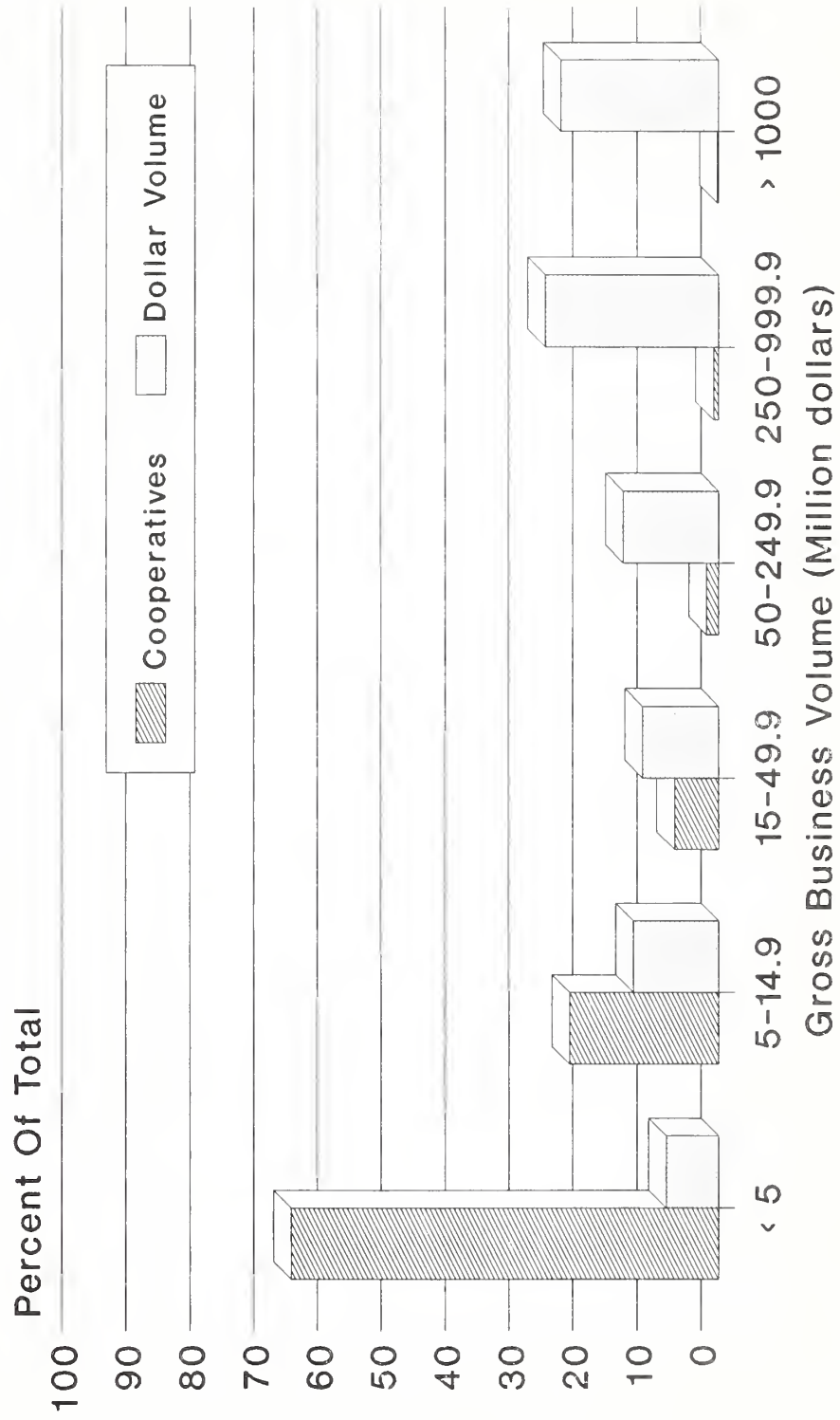


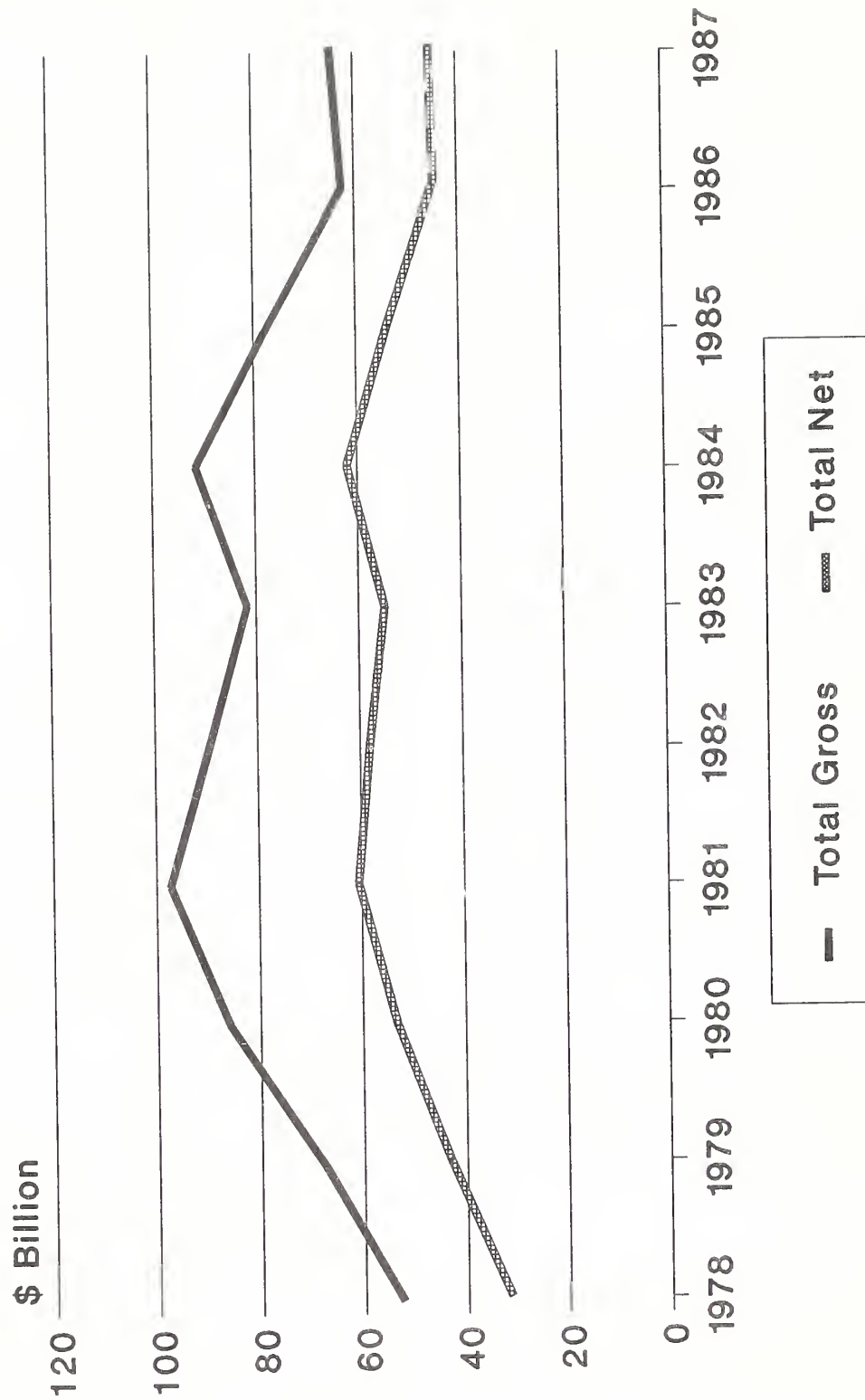
Table 3--Number and net volume of cooperatives handling farm products, farm supplies, and service receipts, 1978 and 1987 1/

	1978		1987	
	Cooperatives handling	Net volume	Cooperatives handling	Net volume
	<u>No.</u>	<u>Mil. dol.</u>	<u>No.</u>	<u>Mil. dol.</u>
Products marketed:				
Beans and peas (dry edible)	55	96.6	55	127.7
Cotton.....	485	1,305.0	401	1,570.7
Dairy.....	530	9,912.6	317	16,100.1
Fruits and vegetables.....	415	3,240.1	340	5,559.0
Grain, soybeans, and soybean meal and oil.....	2,475	12,816.7	2,065	10,747.5
Livestock.....	460	3,966.7	340	3,158.4
Nuts.....	42	731.7	39	941.0
Poultry.....	85	873.3	43	1,146.2
Rice.....	60	743.9	56	847.7
Sugar.....	50	1,133.2	40	1,714.1
Tobacco.....	33	211.0	35	607.7
Wool and mohair.....	160	27.5	160	22.6
Other products.....	111	247.4	126	735.6
Total farm products..... 2/	4,498	35,305.6	3,612	43,278.5
Supplies purchased:				
Building materials.....	2,258	394.0	1,794	372.3
Containers and packaging supplies.....	664	103.8	507	167.5
Farm chemicals.....	3,783	753.7	3,005	1,291.2
Farm machinery and equipment.....	1,873	311.7	1,616	316.0
Feed.....	3,808	2,765.2	2,914	2,712.6
Fertilizer.....	3,940	2,378.3	3,015	2,731.8
Meats and groceries.....	492	126.7	378	130.1
Petroleum.....	3,043	2,910.6	2,406	4,175.1
Seed.....	3,741	381.2	2,964	576.6
Other supplies.....	4,462	926.7	3,464	1,523.4
Total farm supplies..... 2/	5,266	11,051.9	3,963	13,996.6
Services provided:				
Trucking, cotton ginning, storage, grinding, locker plants, misc..... 2/	4,773	947.7	2/ 3,719	1,891.2
Total business..... 2/	6,600	47,305.1	2/ 5,109	59,166.3

1/ Totals may not add due to rounding. 2/ Adjusted for duplication arising from multiple activities performed by many cooperatives. 3/ Charges for services related to marketing or purchasing but not included in the volume reported for these activities.

Figure 3

Business Volume of Farmer Cooperatives



During this period, marketing of farm products declined from 74.6 to 73.1 percent of annual net business volume; purchases of production supplies decreased from 23.4 to 23.7 percent; and selected services increased slightly from 2.0 to 3.2 percent.

Marketing volume increased from \$35.3 billion to \$43.3 billion, supplies purchased from \$11.1 billion to \$14.0 billion, and income from services provided from \$947.7 million to nearly \$1.9 billion.

Four commodity groups--dairy; grain, soybeans, and soybean meal and oil; fruits and vegetables; and livestock--decreased slightly from 84.8 percent of all products marketed in 1978 to 82.1 percent in 1987.

Dairy and fruits and vegetables as a percentage of total cooperative business increased from 27.8 percent in 1978 to 36.6 percent in 1987. Grain, soybeans, and soybean meal and oil and livestock showed a significant decrease--from 35.5 to 23.5 percent.

In the farm supply group, three items--petroleum, fertilizer, and feed--were especially important. They accounted for 72.9 percent of the total production supply business in 1978 but decreased to 68.7 percent in 1987.

Considering changes in the production supplies group, the proportion of total business volume accounted for by feed and fertilizer declined, while petroleum showed an increase. Farm chemicals, seed, and other production supplies also increased in proportion.

III--1987 STATISTICS

Number of Cooperatives

The 1987 survey accounted for 5,109 marketing, farm supply, and selected service ^{5/} cooperatives, compared with 5,369 in 1986.

The net decrease of 260 associations, 4.8 percent fewer, largely reflected a continuing trend involving merger, consolidation, acquisition, or dissolution.

Of the 5,109 cooperatives, 3,054 primarily marketed farm products, 1,941 handled farm production supplies, and 114 provided services.

Comparison of 1987 to 1986 shows that marketing cooperatives decreased from 60.7 to 59.8 percent of the total number of cooperatives; farm supply cooperatives increased from 36.7 to 38.0 percent; and service cooperatives decreased from 2.6 to 2.2 percent.

^{5/} Services include trucking, storage, grinding, drying, artificial insemination, and similar services affecting the form, quality, or location of farm products and supplies handled by cooperatives. They do not include credit, electric, telephone, or other such services not directly related to marketing or purchasing activities.

The percentage changes in table 1 are due to some extent to the reclassification of cooperatives because of changes in the function from which they derive the major portion of their dollar volume. The primary examples are marketing cooperatives whose major business became the sale of farm supplies, or farm supply cooperatives in which marketing took a dominant role.

In table 4, the number of cooperatives headquartered in States are listed with the business activity that consistently accounted for the largest percent of their dollar volume for 1987.

Memberships

Memberships in marketing, farm supply, and selected service cooperatives totaled 4,439,999 in 1987, a decrease of 3.5 percent from 4,600,000 (table 5 and fig. 4).

The long-term trend has been one of decline, reflecting, in part, the decreasing number of farmers in the United States. Many farmers were members of more than one cooperative and each membership was counted. Total membership contains duplication that cannot be eliminated with current reporting methods.

Though many farmers maintained membership in more than one cooperative, nearly 17.2 percent did not actively patronize their cooperatives.

Membership figures often vary widely from year to year for cooperatives participating in price stabilization programs, particularly for those handling cotton, peanuts, or tobacco.

Classification of members is affected also by the diversity of services offered by cooperatives. For example, a member may use a cooperative to market only one of the farm products handled by the cooperative, or a member may use a cooperative classified in the marketing group only for purchasing one or more types of production supplies. The member's business with the cooperative, therefore, may not be in the group that represents the cooperative's major business volume (which determines how the cooperative is classified in this report). The membership, however, will be included arbitrarily in that classification.

Business Volume

Total gross business volume of 5,109 marketing, farm supply, and selected service cooperatives amounted to \$74.5 billion (table 6), a 2.0-percent increase from \$73.0 billion in 1986.

Table 4--Cooperative numbers 1/ and memberships, 2/ by major business activity and major State, 1987 3/

Major State	Co-op hdqrs. in State	Member- ships	Major State	Co-op hdqrs. in State	Member- ships
<u>BEANS AND PEAS, DRY EDIBLE</u>			<u>FRUITS AND VEGETABLES</u> (Continued) <u>4/</u>		
California	5	1,138	Arkansas	3	813
Other States	<u>6</u>	<u>3,132</u>	California	97	23,059
United States	11	4,270	Colorado	12	1,041
			Florida	36	2,455
<u>COTTON</u> <u>4/</u>			Georgia	3	62
Alabama	6	278	Hawaii	8	396
Arizona	5	1,121	Illinois	3	36
Arkansas	11	1,627	Kentucky	6	644
California	38	5,439	Maine	3	1,167
Louisiana	6	770	Michigan	16	3,744
Mississippi	43	4,314	New Jersey	10	1,311
New Mexico	11	1,948	New York	7	1,467
Oklahoma	39	17,494	North Carolina	10	1,765
Texas	208	68,848	Ohio	6	2,343
Other States	<u>3</u>	<u>1,153</u>	Oregon	14	1,710
United States	370	102,992	Pennsylvania	7	1,935
			South Carolina	3	52
<u>DAIRY</u>			Texas	5	398
California	8	1,758	Virginia	7	204
Hawaii	3	45	Washington	27	7,779
Illinois	7	3,229	Other States	<u>25</u>	<u>5/ 10,621</u>
Iowa	11	7,578	United States	312	64,093
Minnesota	59	22,814			
Missouri	3	6,696	<u>GRAIN, SOYBEANS, AND SOYBEAN</u>		
New York	64	7,261	<u>MEAL AND OIL</u> <u>6/</u>		
North Dakota	5	1,663	Alabama	4	4,500
Ohio	7	5,047	Arkansas	4	10,491
Oregon	4	973	California	3	515
Pennsylvania	19	8,332	Colorado	20	13,633
South Carolina	3	412	Idaho	10	10,724
Texas	3	2,567	Illinois	155	91,648
Utah	3	553	Indiana	30	51,627
Vermont	5	2,168	Iowa	191	95,266
Virginia	3	1,306	Kansas	171	142,793
Washington	4	1,219	Louisiana	4	585
Wisconsin	60	28,294	Michigan	12	9,015
Other States	<u>27</u>	<u>35,256</u>	Minnesota	158	89,968
United States	298	137,171	Mississippi	7	3,128
			Missouri	14	16,772
<u>FRUITS AND VEGETABLES</u> <u>4/</u>			Montana	26	13,936
Arizona	4	1,091	Nebraska	114	72,709
			North Dakota	192	80,415
			Ohio	65	47,515

Continued

Table 4--Cooperative numbers 1/ and memberships, 2/ by major business activity and major State, 1987 3/ (Continued)

Major State	Co-op hdqrs. in State	Member- ships	Major State	Co-op hdqrs. in State	Member- ships
<u>GRAIN, SOYBEANS, AND SOYBEAN MEAL AND OIL 5/ (Continued)</u>			<u>POULTRY</u>		
Oklahoma	68	43,523	California	3	66
Oregon	7	4,236	Georgia	3	33,039
South Dakota	100	59,878	Utah	3	121
Texas	49	18,775	Other States	6	25,514
Utah	3	2,553	United States	15	58,740
Washington	31	11,959			
Other States	8	3,895	<u>RICE 4/</u>		
United States	1,446	900,059	Arkansas	23	14,467
			California	4	2,951
<u>LIVESTOCK 4/</u>			Louisiana	10	1,499
Alabama	10	11,539	Texas	11	2,253
Arkansas	4	649	Other States	2	758
Colorado	4	3,902	United States	50	21,928
Idaho	5	2,426			
Illinois	5	27,414	<u>SUGAR 8/</u>		
Iowa	4	12,309	California	3	2,240
Kentucky	8	7,606	Louisiana	9	941
Michigan	5	28,605	Minnesota	3	1,605
Minnesota	78	55,480	Montana	4	572
Mississippi	6	7,176	Wyoming	3	356
Missouri	6	13,647	Other States	16	4,288
Nebraska	4	3,205	United States	38	10,002
New York	4	15,868			
North Dakota	32	9,928	<u>TOBACCO 9/</u>		
Ohio	4	30,273	Kentucky	7	99,825
Pennsylvania	4	203	North Carolina	8	70,923
Tennessee	3	556	Tennessee	7	61,470
Virginia	14	635	Virginia	3	16,575
West Virginia	7	692	Other States	5	48,094
Wisconsin	59	26,751	United States	30	296,887
Other States	20	5/ 66,111			
United States	286	324,975	<u>WOOL AND MOHAIR</u>		
<u>NUTS 7/</u>			Idaho	16	1,064
California	5	8,324	Montana	21	1,454
Oklahoma	3	2,434	New York	3	840
Other States	10	41,597	North Dakota	5	165
United States	18	52,355	Pennsylvania	22	6,680

Continued

Table 4--Cooperative numbers 1/ and memberships, 2/ by major business activity and major State, 1987 3/ (Continued)

Major State	Co-op hdqrs. in State	Member- ships	Major State	Co-op hdqrs. in State	Member- ships
<u>WOOL AND MOHAIR</u> (Continued)			<u>TOTAL MARKETING</u> (Continued)		
South Dakota	3	3,485	New York	80	25,860
Utah	8	2,610	North Carolina	27	91,774
Virginia	15	1,978	North Dakota	237	93,453
Washington	3	240	Ohio	87	93,439
West Virginia	15	1,805	Oklahoma	112	68,844
Wyoming	5	1,289	Oregon	29	7,622
Other States	<u>28</u>	<u>26,768</u>	Pennsylvania	52	17,205
United States	144	48,378	South Carolina	11	24,667
<u>MISCELLANEOUS</u> 10/			South Dakota	106	70,683
California	3	894	Tennessee	15	65,450
Hawaii	5	611	Texas	283	100,418
Mississippi	3	15	Utah	21	11,664
Washington	3	130	Vermont	9	2,384
Other States	<u>22</u>	<u>2,363</u>	Virginia	47	28,434
United States	36	4,013	Washington	68	21,343
<u>TOTAL MARKETING</u>			West Virginia	24	4,884
Alabama	22	29,944	Wisconsin	126	59,994
Arizona	10	2,702	Wyoming	9	3,995
Arkansas	45	28,894	Other States	<u>8</u>	<u>5/ 5,901</u>
California	171	59,035	United States	3,054	2,025,863
Colorado	42	20,084	<u>FARM SUPPLY</u>		
Florida	43	12,634	Alabama	53	54,616
Georgia	11	56,737	Arizona	4	61,118
Hawaii	21	1,144	Arkansas	49	45,028
Idaho	37	23,555	California	25	18,317
Illinois	174	123,320	Colorado	27	19,584
Indiana	33	90,023	Connecticut	3	2,346
Iowa	212	120,290	Delaware	4	15,705
Kansas	172	146,599	Florida	7	7,508
Kentucky	24	112,874	Georgia	6	3,142
Louisiana	33	5,131	Hawaii	6	2,886
Maine	6	1,916	Idaho	17	15,869
Massachusetts	7	1,735	Illinois	82	117,714
Michigan	39	49,763	Indiana	37	80,007
Minnesota	305	173,472	Iowa	109	134,381
Mississippi	65	17,860	Kansas	44	48,157
Missouri	24	38,668	Kentucky	40	135,575
Montana	57	17,236	Louisiana	28	10,113
Nebraska	123	86,542	Maryland	18	67,933
New Jersey	14	3,665	Massachusetts	5	5,620
New Mexico	13	4,026	Michigan	46	31,120
			Minnesota	208	184,083
			Mississippi	63	66,809

Continued

Table 4--Cooperative numbers 1/ and memberships, 2/ by major business activity and major State, 1987 3/ (Continued)

Major State	Co-op hdqrs. in State	Member- ships	Major State	Co-op hdqrs. in State	Member- ships
<u>FARM SUPPLY</u> (Continued)			<u>TOTAL</u> (Continued)		
Missouri	64	137,559	Arkansas	94	73,922
Montana	52	21,203	California	209	78,286
Nebraska	84	76,767	Colorado	70	39,673
New Jersey	3	6,121	Connecticut	5	4,556
New York	86	45,521	Delaware	5	17,257
North Dakota	130	56,129	Florida	53	32,729
Ohio	42	37,422	Georgia	17	59,879
Oklahoma	23	17,466	Hawaii	29	4,140
Oregon	21	33,425	Idaho	55	39,424
Pennsylvania	19	39,251	Illinois	261	244,109
South Dakota	108	83,316	Indiana	71	170,881
Tennessee	78	72,008	Iowa	322	257,715
Texas	58	23,516	Kansas	218	194,766
Utah	10	5,421	Kentucky	76	248,529
Virginia	49	189,745	Louisiana	64	16,354
Washington	38	24,526	Maine	7	9,769
West Virginia	19	62,267	Maryland	21	72,420
Wisconsin	162	196,904	Massachusetts	12	8,111
Wyoming	9	4,134	Michigan	88	85,070
Other States	5	21,697	Minnesota	519	370,660
United States	1,941	2,282,029	Mississippi	131	86,017
<u>SELECTED SERVICES</u> <u>11/</u>			Missouri	91	177,328
California	13	934	Montana	109	38,439
Florida	3	12,587	Nebraska	210	164,182
Illinois	5	3,075	New Jersey	18	10,353
Kentucky	12	80	New Mexico	13	4,078
Louisiana	3	1,110	New York	170	84,178
Michigan	3	4,187	North Carolina	31	101,692
Minnesota	6	13,105	North Dakota	371	150,095
Mississippi	3	1,348	Ohio	134	134,754
Missouri	3	1,101	Oklahoma	135	86,625
Nebraska	3	873	Oregon	51	41,075
New York	4	12,797	Pennsylvania	76	71,856
North Dakota	4	513	South Carolina	13	25,048
Ohio	5	3,893	South Dakota	215	154,495
Pennsylvania	5	15,400	Tennessee	95	138,179
Texas	5	1,370	Texas	346	125,304
Wisconsin	12	36,486	Utah	32	17,090
Other States	25	23,248	Vermont	10	8,741
United States	114	132,107	Virginia	97	219,575
<u>TOTAL</u>			Washington	108	50,518
Alabama	77	84,736	West Virginia	43	67,679
Arizona	14	63,880	Wisconsin	300	293,384
			Wyoming	18	8,129
			Other States	5	5/ 4,319
			United States	5,109	4,439,999

Footnotes to Table 4

1/ Includes centralized and federated cooperatives and those with mixed organizational structures.

2/ Includes farmer members (those entitled to vote for directors) but does not include nonvoting patrons. (Duplication in these membership figures occurs because many farmers belong to more than one cooperative.) Totals may not add due to rounding.

3/ Data covering operations of cooperatives for calendar year 1987. Figures may vary from previously published data due to estimation procedures for nonrespondents and sampling methodology. Major States include those with more than two cooperatives or where disclosure is not a problem.

4/ Cooperatives performing specific services related to a commodity are included. Incorporated local associations of a federation that performs the actual marketing or processing are counted.

5/ Includes foreign memberships.

6/ Includes soybean marketing and processing.

7/ Membership of nut cooperatives that market peanuts fluctuates from year to year and is affected by the extent to which producers participate in price stabilization programs.

8/ Includes sugar, sugarcane, sugar beets, honey, maple syrup, molasses, and sorghum.

9/ Member-patrons. Number fluctuates considerably from year to year due to participation in price stabilization programs.

10/ Includes forest products, hay, hops, nursery stock, coffee, and other farm products not separately classified.

11/ Cooperatives providing services related to marketing or purchasing activities.

Table 5--Memberships in predominantly marketing, farm supply, and selected service cooperatives, selected years

Period 1/	Marketing		Farm supply		Service		Total	
	1,000	Percent	1,000	Percent	1,000	Percent	1,000	Percent
1950-51	4,118	58.1	2,879	40.6	94	1.3	7,091	100
1955-56	4,223	54.6	3,444	44.6	65	.8	7,732	100
1960-61	3,473	48.2	3,680	51.1	50	.7	7,203	100
1961-62	3,420	48.2	3,635	51.2	44	.6	7,099	100
1962-63	3,582	49.6	3,596	49.8	41	.6	7,219	100
1963-64	3,613	51.0	3,425	48.4	42	.6	7,080	100
1964-65	3,791	53.5	3,251	45.9	40	.6	7,082	100
1965-66	3,636	53.3	3,154	46.2	36	.5	6,826	100
1966-67	3,298	50.7	3,169	48.8	34	.5	6,502	100
1967-68	3,225	50.0	3,187	49.5	34	.5	6,445	100
1968-69	3,141	49.4	3,189	50.1	33	.5	6,364	100
1969-70	3,103	48.8	3,222	50.7	30	.5	6,355	100
1970-71	3,105	50.4	3,028	49.2	25	.4	6,158	100
1971-72	3,134	51.0	2,991	48.7	22	.3	6,147	100
1972-73	3,118	50.9	2,988	48.8	22	.3	6,128	100
1973-74	3,111	51.0	2,972	48.7	22	.3	6,106	100
1974-75	3,127	51.1	2,971	48.5	25	.4	6,123	100
1975-76	2,812	47.6	3,056	51.7	38	.7	5,906	100
1976-77	2,655	46.1	3,066	53.3	37	.6	5,758	100
1978 2/	2,595	45.6	3,063	53.8	37	.6	5,695	100
1979	2,531	45.0	3,060	54.4	36	.6	5,627	100
1980	2,542	47.3	2,804	52.1	32	.6	5,379	100
1981	2,452	46.0	2,856	53.5	27	.5	5,335	100
1982	2,444	47.6	2,666	51.9	25	.5	5,136	100
1983	2,308	46.6	2,553	51.5	3/ 95	1.9	4,955	100
1984	2,317	47.9	2,397	49.5	128	2.6	4,842	100
1985	2,214	46.3	2,398	50.2	169	3.5	4,781	100
1986 4/	2,140	46.5	2,310	50.2	150	3.3	4,600	100
1987	2,026	45.6	2,282	51.4	132	3.0	4,440	100

1/ For years before 1950-51, see Cooperative Historical Statistics, CIR 1, Section 26, USDA, ACS, Wash., DC, Revised October 1987.

2/ Previously, data for farmer cooperatives were reported on a fiscal year basis. Beginning in 1978, data were included for the calendar year. Data for 1978 were estimated.

3/ Number of memberships were up significantly due to inclusion of additional service cooperatives.

4/ Revised.

Figure 4

Memberships in Farmer Cooperatives

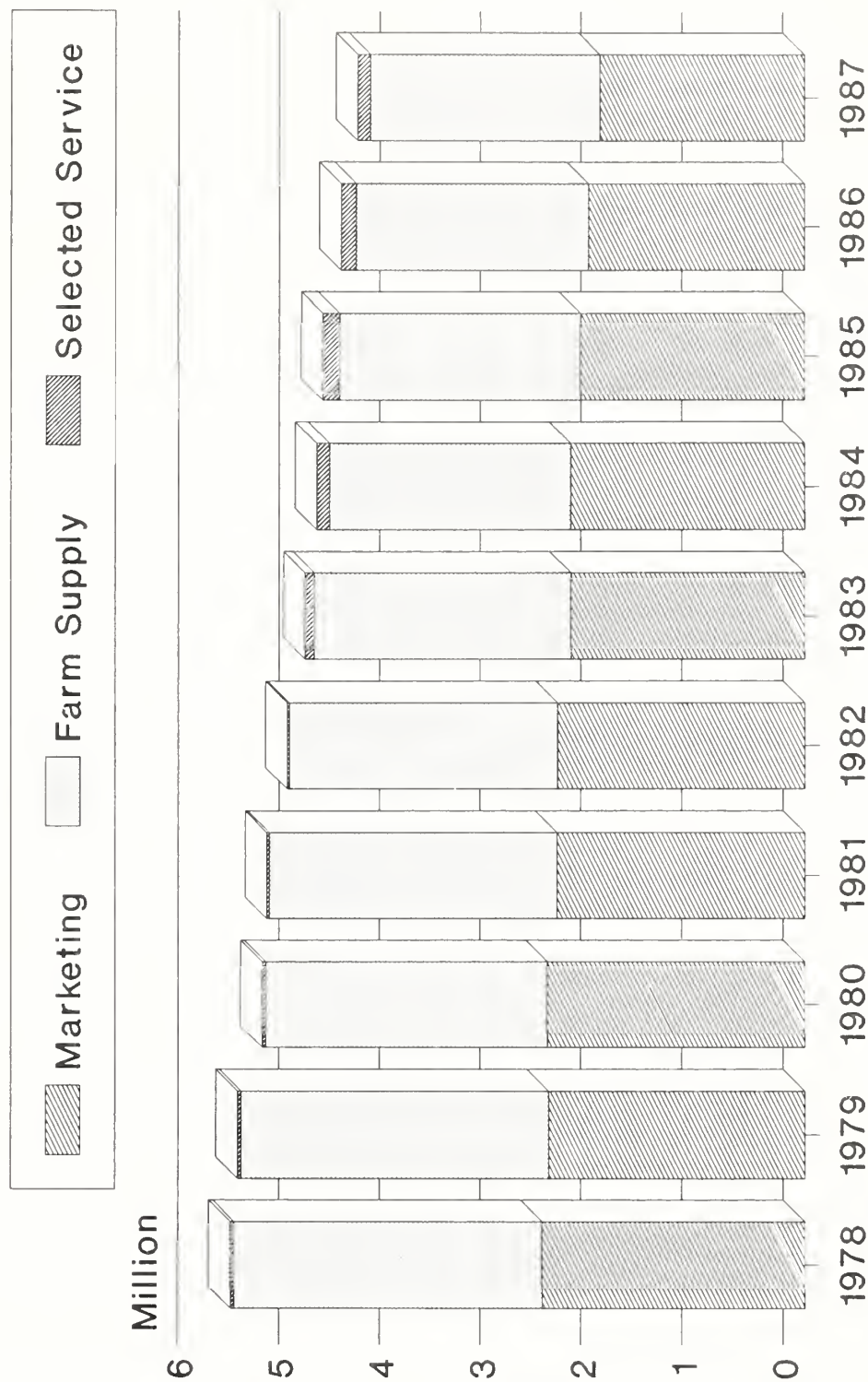


Table 6--Business volume of marketing, farm supply, and selected service cooperatives, selected years

Period <u>1/</u>	Gross volume (includes inter-cooperative business)				Net volume (excludes inter-cooperative business)			
	Farm pro-ducts	Farm sup-plies <u>2/</u>	Selected ser-vices	Total	Farm pro-ducts	Farm sup-plies <u>2/</u>	Selected ser-vices	Total
<u>Billion dollars</u>								
1950-51	8.0	2.4	0.1	10.5	6.4	1.7	0.1	8.1
1955-56	9.5	3.0	.2	12.7	7.5	2.0	.2	9.8
1960-61	12.1	3.7	.3	16.2	9.6	2.5	.3	12.4
1961-62	13.0	3.9	.3	17.2	10.2	2.6	.3	13.0
1962-63	13.9	4.1	.3	18.3	10.8	2.7	.3	13.8
1963-64	14.5	4.4	.3	19.2	11.2	2.8	.3	14.4
1964-65	14.8	4.5	.3	19.6	11.5	2.9	.3	14.7
1965-66	15.5	4.8	.3	20.6	12.2	3.1	.3	15.6
1966-67	16.3	5.3	.3	21.9	12.9	3.3	.3	16.6
1967-68	16.6	5.6	.3	22.4	13.2	3.5	.3	17.0
1968-69	16.8	5.6	.4	22.8	13.4	3.6	.4	17.4
1969-70	18.4	6.0	.4	24.8	14.8	3.9	.4	19.1
1970-71	20.1	6.7	.4	27.3	15.8	4.3	.4	20.6
1971-72	20.8	7.4	.5	28.7	16.5	4.7	.5	21.7
1972-73	25.1	8.8	.5	34.5	19.6	5.9	.5	26.0
1973-74	35.6	11.4	.7	47.7	26.9	7.8	.7	35.4
1974-75	40.3	13.4	.4	54.5	31.9	8.7	.7	41.3
1975-76	39.4	15.6	.9	55.8	29.8	9.4	.9	40.1
1976-77	40.8	17.8	.9	59.5	32.3	10.6	.9	43.6
1978 <u>3/</u>	45.1	18.6	.9	64.6	35.3	11.1	.9	47.3
1979	53.7	22.7	1.1	77.4	41.7	13.5	1.1	56.3
1980	63.7	27.7	1.2	92.5	48.9	16.1	1.2	66.3
1981	70.2	30.1	1.2	101.5	53.3	17.1	1.2	71.5
1982	65.6	28.1	1.4	95.1	51.4	16.4	1.4	69.2
1983	61.2	26.1	1.5	88.7	49.3	15.9	1.5	66.8
1984	67.6	27.7	1.5	96.9	54.6	17.0	1.5	73.0
1985	57.0	26.4	1.6	85.1	47.3	16.6	1.6	65.6
1986	47.6	23.6	1.8	73.0	41.5	15.1	1.8	58.4
1987	50.5	22.1	1.9	74.5	43.3	14.0	1.9	59.2

Continued

Table 6—Business volume of marketing, farm supply, and selected service cooperatives years (Continued)

Period 1/	Gross volume (includes inter-cooperative business)				Net volume (excludes inter-cooperative business)			
	Farm pro-ducts	Farm sup-plies	Selected ser-vices 2/	Total	Farm pro-ducts	Farm sup-plies 2/	Selected ser-vices	Total
<u>Percent</u>								
1950-51	75.9	23.2	0.9	100	78.1	20.7	1.2	100
1955-56	74.9	23.4	1.7	100	76.8	21.0	2.2	100
1960-61	75.0	23.1	1.9	100	77.6	19.9	2.5	100
1961-62	75.5	22.7	1.8	100	78.0	19.7	2.3	100
1962-63	75.7	22.6	1.7	100	78.3	19.5	2.2	100
1963-64	75.5	22.9	1.6	100	78.1	19.7	2.2	100
1964-65	75.5	22.9	1.6	100	78.1	19.8	2.1	100
1965-66	75.1	23.3	1.6	100	78.1	19.8	2.1	100
1966-67	74.3	24.3	1.4	100	77.9	20.2	1.9	100
1967-68	73.8	24.8	1.4	100	77.4	20.8	1.8	100
1968-69	73.8	24.7	1.5	100	77.2	20.8	2.0	100
1969-70	74.2	24.2	1.6	100	77.7	20.3	2.0	100
1970-71	73.8	24.7	1.5	100	76.9	21.1	2.0	100
1971-72	72.6	25.8	1.6	100	76.0	21.9	2.1	100
1972-73	72.9	25.7	1.4	100	75.3	22.8	1.9	100
1973-74	74.7	23.9	1.4	100	76.2	21.9	1.9	100
1974-75	74.0	24.6	1.4	100	77.3	20.9	1.8	100
1975-76	70.6	27.9	1.5	100	74.4	23.5	2.1	100
1976-77	68.6	29.9	1.5	100	73.7	24.2	2.1	100
1978 3/	69.7	28.8	1.5	100	74.6	23.4	2.0	100
1979	69.3	29.3	1.4	100	74.1	24.0	1.9	100
1980	68.8	29.9	1.3	100	73.8	24.4	1.8	100
1981	69.1	29.7	1.2	100	74.5	23.8	1.7	100
1982	69.0	29.5	1.5	100	74.3	23.7	2.0	100
1983	69.0	29.4	1.6	100	73.9	23.9	2.2	100
1984	69.8	28.6	1.6	100	74.7	23.2	2.1	100
1985	67.0	31.1	1.9	100	72.1	25.4	2.5	100
1986	65.2	32.4	2.4	100	71.1	25.9	3.0	100
1987	67.8	29.7	2.5	100	73.1	23.7	3.2	100

1/ For years prior to 1950-51, see Cooperative Historical Statistics, CIR 1, Section 26, USDA, ACS, Wash., DC, Revised October 1987. Data for prior years are not entirely comparable due to revisions in statistical procedures in 1950-51.

2/ Services related to marketing or supply purchasing but not included in the volumes reported for these activities.

3/ Previously, data for farmer cooperatives were reported on a fiscal year basis. Beginning in 1978, data were included for the calendar year. Data for 1978 were estimated.

Total net business volume of farmer cooperatives amounted to \$59.2 billion. This amount included \$43.3 billion for farm products marketed, \$14.0 billion for farm supplies purchased, and \$1.9 billion for services performed. The total net figure of \$59.2 billion, which excludes intercooperative business (the difference between gross and net business volumes), represented an increase of 1.3 percent from \$58.4 billion in 1986. However, discounting for price changes, business volume actually decreased 0.9 percent. ^{6/}

Intercooperative business increased from \$14.6 billion to \$15.3 billion. Gross and net volumes of business for marketing, purchasing, and related service activities are shown in table 6 for selected years from fiscal 1951 through calendar 1987.

Gross volume of farm products marketed by cooperatives increased from \$73.0 billion to \$74.5 billion, an increase of 2.0 percent. The net volume of farm products marketed amounted to \$43.3 billion and accounted for 73.1 percent of the total net volume of cooperatives. The net marketing volume represented an increase of 4.2 percent from \$41.5 billion. The increase resulted primarily from increased prices. Overall, crop production was down slightly in 1987. The major increases in net marketing volume were in dairy, tobacco, and fruits and vegetables.

Figure 5 illustrates the leading products marketed by cooperatives based on net marketing business volume. Dairy led with 37.2 percent of total net marketing volume, followed by grain, soybeans, and soybean meal and oil (grains) with 24.8 percent. Fruits and vegetables ranked third with 12.8 percent of total net marketing volume.

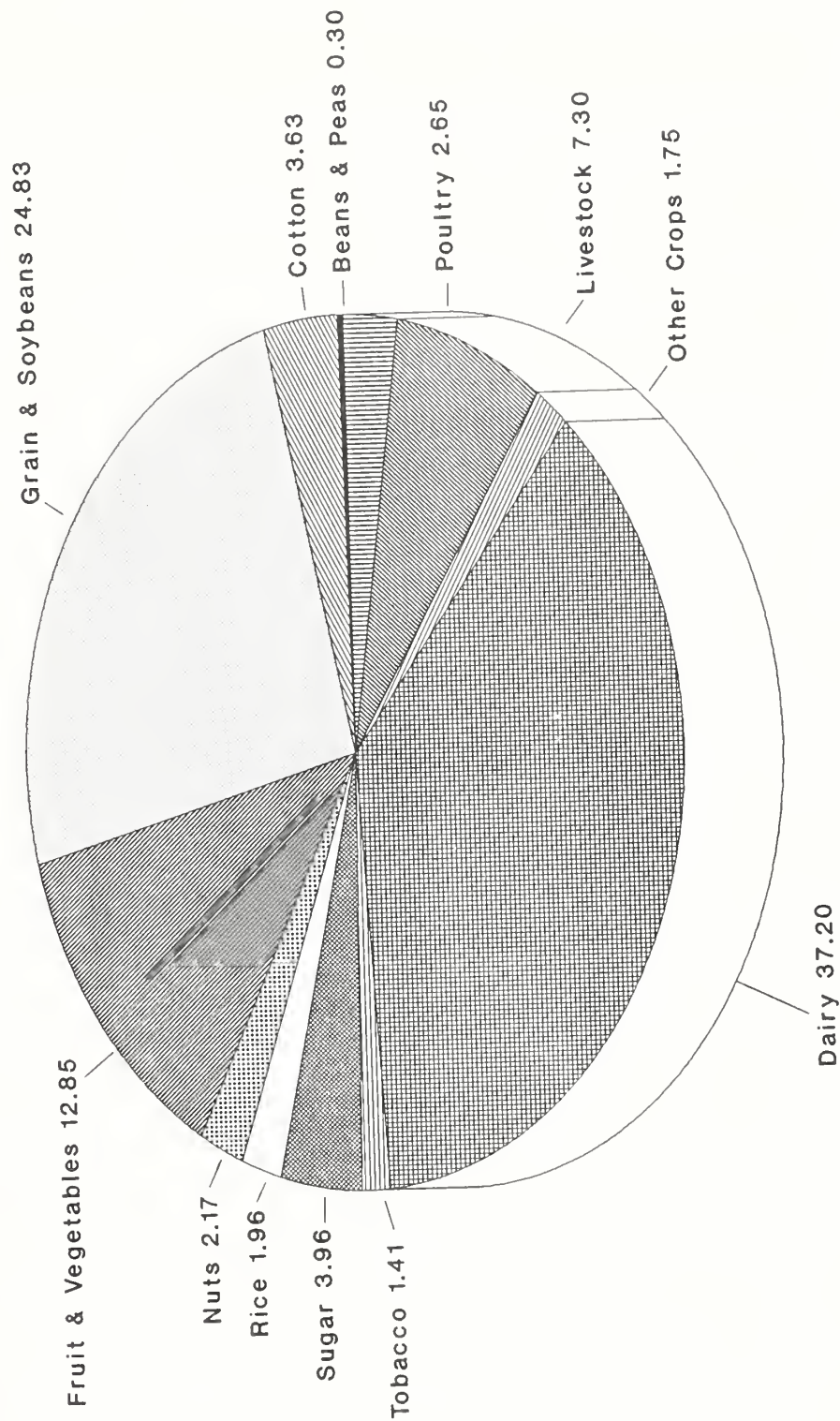
Gross volume of all farm supplies handled by cooperatives amounted to \$22.1 billion, a 6.5-percent decrease from \$23.6 billion. The net farm supply volume of \$14.0 billion accounted for 23.7 percent of the total net business volume, a 7.3-percent decrease from \$15.1 billion. Decreased demand reflected by the government acreage setaside programs and lower prices of fertilizer and petroleum were major causes of this decline.

As shown in figure 6, leading farm supplies handled by cooperatives in terms of net business volume were petroleum, with 29.8 percent of the total, followed by fertilizer and feed.

^{6/} By deflating the volume of farm products handled by cooperatives in 1987 by indices of producer prices for farm products and processed foods and feeds and the volume of farm supplies and service income by the index on prices paid by farmers for production of all commodities excluding interest, taxes, and wage rates, total business volume is reduced 2.2 percent to \$57.9 billion.

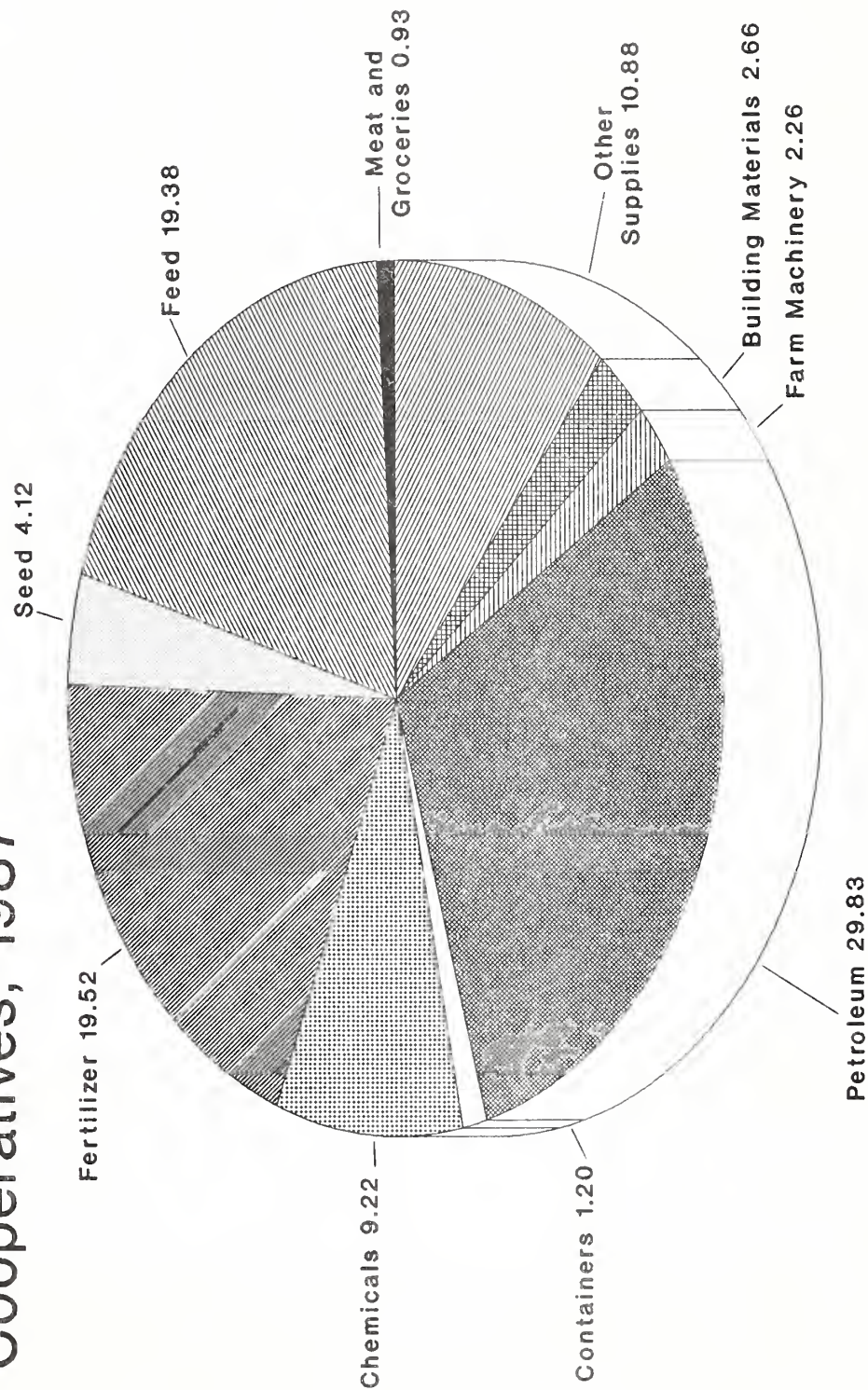
Figure 5

Relative Importance of Major Farm Products Marketed by Cooperatives, 1987



Percent based on a net marketing
business volume of \$43.3 billion

Figure 6
Relative Importance of Major Farm Supplies Handled
by Cooperatives, 1987



Percent based on a net farm supply business volume of \$14.0 billion

Receipts for services performed by marketing, farm supply, and selected service cooperatives amounted to \$1.9 billion, a record high--up 7.4 percent. Service receipts represented 3.2 percent of total net business volume.

An estimated 70.7 percent of the 5,109 cooperatives, or 3,612 cooperatives, marketed farm products (table 7). Farm supplies were handled by 3,963 cooperatives, 77.6 percent of the total, while 3,719 cooperatives, or 72.8 percent of the total, performed one or more services related to farm product marketing and farm supply purchasing.

The 1987 estimated volume of farm products marketed and farm supplies sold by cooperatives is shown by State in table 8.

Net Income

Total net income, less losses, for all cooperatives was nearly \$1,486.2 million, including intercooperative dividends and refunds (figure 7). No net income is included for those cooperatives operating strictly on a pooling basis. As shown in table 9, net income was up 116.0 percent from the previous year's total of \$688.0 million and the highest since 1980. Net income from other cooperatives of \$63.0 million was down 55.1 percent from \$140.4 million.

Marketing cooperatives' net income of \$1,108.7 million was up 52.9 percent from the \$725.0 million generated in 1986 (table 10). Cooperatives, primarily handling grain, soybeans, and soybean meal and oil, accounted for the largest percent of marketing cooperatives' net income (33.4 percent).

Cotton cooperatives accounted for 21.3 percent, dairy, 18.2 percent, and fruit and vegetable cooperatives, 14.3 percent.

Farm supply cooperatives experienced the greatest change in net income, registering a \$351.3-million net compared with a \$66.4-million loss in 1986. Most of the increase in net income of farm supply cooperatives came from their operations--\$326.3-million net compared with a \$106.9-million loss in 1986. Net income from other cooperatives, however, was down from \$40.6 million to \$25.0 million.

Farmer cooperatives' net income from operations totaled \$1,423.1 million--up 159.8 percent from \$547.6 million. More than 4.2 percent, or \$63.0 million, of total net income was generated from other cooperatives. Marketing cooperatives' net income from other cooperatives decreased from 13.6 percent to 3.2 percent of the total. Grain cooperatives' net income from other cooperatives amounted to a \$16.4-million loss due largely to equity writeoffs resulting from federated cooperative losses.

Net income before losses equaled \$1.57 billion. Losses from 628 cooperatives totaled \$86.6 million compared with \$344 million in 1986. More than three-fourths of the cooperatives with losses in 1987 were in the farm supply, grain, and cotton groups.

Table 7--Cooperative business volume by commodity, 1987 1/

Commodity	Cooperatives handling		Gross volume (includes inter-cooperative business)		Net volume (excludes inter-cooperative business)	
	No.	Pct. <u>2/</u>	Mil. dol.	Pct.	Mil. dol.	Pct.
Products marketed:						
Beans and peas (dry edible)	55	1.1	159.9	0.2	127.7	0.2
Cotton	401	7.8	1,751.8	2.4	1,570.7	2.7
Dairy	317	6.2	17,660.0	23.7	16,100.1	27.2
Fruits and vegetables	340	6.7	7,021.7	9.4	5,559.0	9.4
Grain, soybeans, and soybean meal and oil	2,065	40.4	13,984.6	18.8	10,747.5	18.2
Livestock	340	6.7	3,526.7	4.7	3,158.4	5.3
Nuts	39	.8	941.0	1.3	941.0	1.6
Poultry	43	.8	1,297.1	1.7	1,146.2	1.9
Rice	56	1.1	847.7	1.1	847.7	1.4
Sugar	40	.8	1,898.0	2.6	1,714.1	2.9
Tobacco	35	.7	607.7	.8	607.7	1.0
Wool and mohair	160	3.1	47.4	.1	22.6	<u>3/</u>
Miscellaneous <u>4/</u>	126	2.5	736.0	1.0	735.6	1.2
Total farm products	<u>5/</u> 3,612	70.7	50,479.6	67.7	43,278.5	73.1
Supplies purchased:						
Building materials	1,794	35.1	483.7	.6	372.3	.7
Containers and packaging supplies	507	9.9	350.2	.5	167.5	.3
Farm chemicals	3,005	58.8	2,274.9	3.1	1,291.2	2.2
Farm machinery and equipment	1,616	31.6	483.7	.7	316.0	.5
Feed	2,914	57.0	3,938.3	5.3	2,712.6	4.6
Fertilizer	3,015	59.0	4,710.3	6.3	2,731.8	4.6
Meats and groceries	378	7.4	131.4	.2	130.1	.2
Petroleum	2,406	47.1	6,960.3	9.3	4,175.1	7.1
Seed	2,964	58.0	753.1	1.0	576.6	1.0
Other supplies <u>6/</u>	3,464	67.8	2,000.1	2.7	1,523.4	2.6
Total farm supplies	<u>5/</u> 3,963	77.6	22,085.8	29.7	13,996.6	23.7
Services provided:						
Trucking, cotton ginning, storage, grinding, locker plants, misc.	<u>5/</u> 3,719	72.8	<u>7/</u> 1,891.2	2.5	<u>7/</u> 1,891.2	3.2
Total business	<u>5/</u> 5,109	100.0	74,456.6	100.0	59,166.3	100.0

Footnotes to Table 7

- 1/ Totals may not add due to rounding.
- 2/ Number of cooperatives handling each commodity group is computed as a percentage of the total number of 5,109 cooperatives listed.
- 3/ Less than one-tenth of 1 percent.
- 4/ Includes coffee, fish, forest products, hay, hops, seed marketed for growers, nursery stock, other farm products not separately classified, and sales of farm products not received directly from member-patrons.
- 5/ Because many cooperatives do more than one type of business, these totals are fewer than the number obtained by adding the number of cooperatives handling individual items or performing individual services.
- 6/ Includes plant equipment, automotive supplies, hardware, chicks, and other supplies not separately classified.
- 7/ Charges for services related to marketing or purchasing but not included in the volume reported for those activities.

Table 8--Cooperative business volume 1/ by commodity and major State, 1987 2/

Business volume			Business volume		
Major State	Gross	Net	Major State	Gross	Net
<u>1,000 dollars</u>			<u>1,000 dollars</u>		
<u>BEANS AND PEAS, DRY EDIBLE</u>			<u>DAIRY</u>		
California	45,437	45,136	Georgia	143,269	138,837
Colorado	12,884	9,686	Idaho	155,331	92,379
Idaho	4,948	4,441	Illinois	763,460	667,905
Michigan	54,448	31,424	Indiana	232,839	223,704
Montana	2,557	2,557	Iowa	755,405	717,561
North Dakota	8,124	4,203	Kansas	220,839	217,587
South Dakota	1,615	1,615	Kentucky	237,918	226,792
Washington	9,696	9,445	Louisiana	150,440	149,334
Wyoming	1,796	1,796	Maine	25,477	23,445
Other States	<u>18,342</u>	<u>17,437</u>	Maryland	226,843	221,948
United States	159,847	127,740	Massachusetts	156,630	147,691
			Michigan	548,949	547,540
<u>COTTON</u>			Minnesota	1,855,927	1,469,260
Alabama	13,123	13,123	Mississippi	87,640	85,230
Arizona	114,693	114,693	Missouri	610,590	593,903
Arkansas	79,491	77,542	Montana	26,078	26,024
California	586,093	505,160	Nebraska	173,910	173,368
Georgia	452	452	Nevada	1,306	1,306
Louisiana	64,902	56,374	New Hampshire	23,880	20,833
Mississippi	249,081	236,246	New Jersey	29,692	28,533
Missouri	14,125	13,042	New York	1,097,921	902,660
New Mexico	11,430	10,654	North Carolina	176,168	171,830
Oklahoma	81,936	74,153	North Dakota	99,606	85,391
South Carolina	2,364	2,364	Ohio	806,468	806,458
Tennessee	11,583	10,989	Oklahoma	183,205	176,701
Texas	517,167	450,586	Oregon	201,416	160,829
Other States	<u>5,321</u>	<u>5,321</u>	Pennsylvania	838,413	820,594
United States	1,751,761	1,570,699	South Carolina	69,996	68,943
			South Dakota	176,451	127,463
<u>DAIRY</u>			Tennessee	185,089	179,304
Alabama	51,105	49,842	Texas	576,023	557,597
Arizona	181,280	181,172	Utah	364,722	192,938
Arkansas	125,815	121,479	Vermont	265,006	250,947
California	1,718,981	1,541,281	Virginia	359,190	352,093
Colorado	38,037	28,007	Washington	329,745	328,459
Connecticut	74,227	64,578	West Virginia	24,099	23,619
Delaware	22,197	22,132	Wisconsin	2,935,679	2,780,925
Florida	292,384	292,384	Wyoming	1,542	1,493
			Other States	<u>38,824</u>	<u>37,807</u>
			United States	17,660,012	16,100,106

Continued

Table 8—Cooperative business volume 1/ by commodity and major State, 1987 2/
(Continued)

Major State	Business volume		Major State	Business volume	
	Gross	Net		Gross	Net
<u>1,000 dollars</u>			<u>1,000 dollars</u>		
<u>FRUITS AND VEGETABLES</u>			<u>GRAIN, SOYBEANS, AND SOYBEANS MEAL AND OIL</u>		
Arizona	127,469	20,869	Alabama	78,347	55,966
Arkansas	9,562	9,562	Arkansas	227,872	227,872
California	3,047,510	2,292,019	California	17,877	17,877
Colorado	35,908	21,447	Colorado	135,191	135,191
Delaware	2,454	2,454	Delaware	14,870	14,870
Florida	1,036,328	717,917	Florida	9,952	9,952
Georgia	37,020	18,740	Idaho	82,589	72,618
Hawaii	15,575	15,575	Illinois	1,337,458	1,332,591
Illinois	2,913	2,913	Indiana	688,701	670,033
Indiana	35,271	21,445	Iowa	2,284,071	1,512,725
Kansas	2,987	2,987	Kansas	910,022	909,502
Kentucky	1,228	969	Kentucky	62,831	59,178
Maine	18,855	18,855	Louisiana	24,894	24,856
Massachusetts	260,111	260,111	Maryland	80,121	75,657
Michigan	270,113	178,436	Massachusetts	2,211	2,211
Minnesota	8,581	8,581	Michigan	127,520	94,141
Missouri	9,512	9,512	Minnesota	1,625,752	1,076,336
Nebraska	9,469	9,469	Mississippi	84,174	84,174
New Jersey	129,158	129,158	Missouri	287,378	279,576
New York	182,007	150,931	Montana	147,191	97,244
North Carolina	5,281	3,677	Nebraska	658,687	658,453
Ohio	37,199	37,199	New Jersey	2,660	2,660
Oklahoma	957	957	New Mexico	1,451	1,451
Oregon	323,945	320,091	New York	30,532	30,532
Pennsylvania	314,457	298,041	North Dakota	1,494,384	1,094,489
South Carolina	14,133	7,158	Ohio	1,002,459	748,341
Tennessee	234	40	Oklahoma	1,132,498	240,640
Texas	12,372	6,710	Oregon	98,570	86,083
Utah	10,325	2,493	Pennsylvania	23,584	23,584
Vermont	3,432	3,432	South Carolina	11,280	11,280
Virginia	1,950	1,637	South Dakota	490,000	352,259
Washington	614,561	560,111	Tennessee	16,819	16,819
Wisconsin	224,577	221,444	Texas	280,455	279,697
Other States	190,997	183,228	Utah	4,691	4,166
Foreign 3/	<u>25,293</u>	<u>20,797</u>	Virginia	48,617	48,617
United States	7,021,744	5,558,965			

Continued

Table 8—Cooperative business volume 1/ by commodity and major State, 1987 2/
(Continued)

Major State	Business volume		Major State	Business volume	
	Gross	Net		Gross	Net
<u>1,000 dollars</u>			<u>1,000 dollars</u>		
<u>GRAIN, SOYBEANS, AND SOYBEANS MEAL AND OIL (Continued)</u>			<u>LIVESTOCK (Continued)</u>		
Washington	306,327	268,867	Virginia	6,809	6,809
West Virginia	576	576	Wisconsin	441,924	184,234
Wisconsin	86,937	61,957	Other States	<u>328,856</u>	<u>328,855</u>
Wyoming	2,251	2,251	United States	3,526,742	3,158,439
Other States	<u>62,247</u>	<u>62,247</u>	<u>NUTS</u>		
United States	13,984,547	10,747,539	Alabama	67,141	67,141
<u>LIVESTOCK</u>			California	587,980	587,980
Alabama	15,684	15,684	Florida	30,098	30,098
Arizona	10,146	10,146	Georgia	137,851	137,851
Arkansas	4,250	4,250	Hawaii	2,620	2,620
California	46,488	46,488	Mississippi	103	103
Colorado	52,675	52,674	New Mexico	359	359
Georgia	23,182	23,182	North Carolina	32,961	32,961
Idaho	11,888	11,888	Oklahoma	16,240	16,240
Illinois	275,046	261,541	Oregon	5,753	5,753
Indiana	91,018	91,018	South Carolina	2,738	2,738
Iowa	669,791	668,037	Texas	22,175	22,175
Kansas	26,414	26,361	Virginia	34,900	34,900
Kentucky	37,272	37,272	Other States	<u>89</u>	<u>89</u>
Louisiana	62	62	United States	941,008	941,008
Massachusetts	3,617	3,617	<u>POULTRY</u>		
Michigan	369,531	366,830	Alabama	219,205	219,205
Minnesota	320,580	236,482	Arkansas	1,483	1,483
Mississippi	73,508	73,508	California	57,218	57,218
Missouri	225,741	225,547	Connecticut	5,494	5,494
Montana	5,834	5,549	Florida	95,543	95,543
Nebraska	356,787	355,579	Georgia	329,415	329,415
New Mexico	8,697	8,697	Indiana	103	103
New York	59,334	59,334	Iowa	14,728	14,728
North Carolina	1,447	1,447	Kansas	404	404
North Dakota	22,316	17,076	Kentucky	270	270
Pennsylvania	6,432	6,432	Louisiana	404	404
South Dakota	26,511	24,938	Maine	7,200	7,200
Tennessee	4,902	4,902			

Continued

Table 8--Cooperative business volume 1/ by commodity and major State, 1987 2/
(Continued)

Business volume			Business volume		
Major State	Gross	Net	Major State	Gross	Net
<u>1,000 dollars</u>			<u>1,000 dollars</u>		
<u>POULTRY</u> (Continued)			<u>SUGAR</u> (Continued)		
Massachusetts	3,600	3,600	Florida	158,104	158,104
Michigan	7,499	7,499	Idaho	122,032	71,011
Minnesota	144,423	90,737	Kansas	10,062	5,061
Mississippi	1,085	1,085	Louisiana	109,997	109,997
Missouri	539	539	Minnesota	379,448	332,865
Nebraska	28,532	16,468	Missouri	507	507
New Hampshire	1,200	1,200	Montana	36,259	36,259
New Jersey	355	355	Nebraska	14,746	9,745
New York	13,537	13,537	Nevada	61	61
North Carolina	88,680	88,680	New Mexico	118	118
Oklahoma	270	270	North Dakota	195,746	170,286
Oregon	29,661	16,994	South Carolina	32	32
South Carolina	539	539	South Dakota	6,409	6,409
Tennessee	539	539	Texas	40,114	40,114
Texas	1,213	1,213	Utah	292	292
Utah	108,980	36,594	Washington	1,120	1,120
Virginia	72,360	72,360	Wyoming	4,863	4,863
West Virginia	42,355	42,355	Other States	102,344	96,367
Wisconsin	20,159	20,159	Foreign 3/	<u>1,359</u>	<u>1,359</u>
Other States	<u>57</u>	<u>57</u>	United States	1,897,996	1,714,077
United States	1,297,050	1,146,247			
<u>RICE</u>			<u>TOBACCO</u>		
			Connecticut	42	42
Arkansas	385,585	385,585	Florida	2,264	2,264
California	197,744	197,744	Georgia	15,851	15,851
Louisiana	37,367	37,367	Indiana	2,390	2,390
Mississippi	23,217	23,217	Kentucky	229,998	229,998
Missouri	12,038	12,038	Minnesota	34	34
Texas	191,240	191,240	Missouri	9,152	9,152
Other States	<u>516</u>	<u>516</u>	North Carolina	200,313	200,313
United States	847,707	847,707	Ohio	28,329	28,329
<u>SUGAR</u>			South Carolina	22,279	22,279
Arizona	507	507	Tennessee	49,739	49,739
Arkansas	256	256	Virginia	37,039	37,039
California	633,443	628,572	West Virginia	2,288	2,288
Colorado	80,177	40,172	Other States	<u>8,001</u>	<u>8,001</u>
			United States	607,719	607,719

Continued

Table 8--Cooperative business volume 1/ by commodity and major State, 1987 2/
(Continued)

Major State	Business volume		Major State	Business volume	
	Gross	Net		Gross	Net
<u>1,000 dollars</u>			<u>1,000 dollars</u>		
<u>WOOL AND MOHAIR</u>			<u>MISCELLANEOUS MARKETING</u> (Continued)		
Arkansas	16	16	Indiana	43,162	43,162
California	4,484	2,270	Iowa	25,721	25,721
Colorado	88	87	Kansas	924	924
Idaho	452	452	Michigan	80,446	80,446
Indiana	360	158	Minnesota	38,517	38,517
Iowa	3,323	1,156	Mississippi	36	36
Kansas	1,673	729	Nebraska	23,797	23,797
Kentucky	300	131	New Mexico	3,506	3,506
Maine	20	20	North Dakota	700	700
Michigan	983	427	Ohio	42	42
Minnesota	5,793	905	Oklahoma	215	215
Missouri	307	138	Oregon	14,879	14,879
Montana	1,539	1,539	Pennsylvania	50,985	50,985
Nevada	74	74	South Carolina	1,119	1,119
New Mexico	633	633	South Dakota	1,772	1,772
New York	177	177	Texas	3,060	3,060
North Dakota	106	106	Washington	46,508	46,508
Ohio	1,800	802	Other States	183,040	183,040
Oklahoma	890	671	Foreign 3/	<u>113,108</u>	<u>113,108</u>
Pennsylvania	441	441	United States	736,039	735,624
South Dakota	12,121	5,800			
Utah	3,873	1,769	<u>TOTAL FARM PRODUCTS MARKETING</u>		
Virginia	514	413	Alabama	445,683	421,780
Washington	70	70	Arizona	435,943	329,235
West Virginia	275	275	Arkansas	834,329	828,044
Wisconsin	1,693	493	California	7,017,742	5,996,230
Wyoming	1,984	1,984	Colorado	360,422	292,724
Other States	<u>3,440</u>	<u>904</u>	Connecticut	80,426	70,777
United States	47,429	22,640	Delaware	39,522	39,457
<u>MISCELLANEOUS MARKETING 4/</u>			Florida	1,676,011	1,357,184
Alabama	69	69	Georgia	789,400	766,688
California	74,486	74,486	Hawaii	77,896	71,919
Colorado	4,944	4,944	Idaho	533,191	408,739
Florida	5,486	5,071	Illinois	2,391,586	2,277,656
Hawaii	6,954	6,954	Indiana	1,093,845	1,052,013
Illinois	12,563	12,563	Iowa	3,770,999	2,950,378
			Kansas	1,178,119	1,168,049

Continued

Table 8--Cooperative business volume 1/ by commodity and major State, 1987 2/
(Continued)

<div>Business volume</div>			<div>Business volume</div>		
Major State	Gross	Net	Major State	Gross	Net
<div>1,000 dollars</div>			<div>1,000 dollars</div>		
<div>TOTAL FARM PRODUCTS MARKETED</div>			<div>BUILDING MATERIALS</div>		
<div>(Continued)</div>					
Kentucky	569,816	554,610	Alabama	5,393	5,107
Louisiana	388,142	378,470	Arizona	1,693	645
Maine	54,552	52,520	Arkansas	6,386	5,746
Maryland	308,468	299,109	California	3,370	2,510
Massachusetts	426,209	417,270	Colorado	4,570	2,623
Michigan	1,459,931	1,307,184	Connecticut	5,159	3,344
Minnesota	4,379,906	3,253,965	Delaware	2,062	1,359
Mississippi	518,856	503,612	Florida	8,513	6,470
Missouri	1,169,892	1,143,958	Georgia	8,396	7,505
Montana	222,302	172,016	Hawaii	1,148	800
Nebraska	1,278,870	1,257,293	Idaho	4,100	4,041
Nevada	2,370	2,370	Illinois	24,294	17,547
New Hampshire	25,082	22,034	Indiana	22,908	19,872
New Jersey	170,749	169,590	Iowa	48,163	43,871
New Mexico	31,474	30,698	Kansas	17,121	13,419
New York	1,484,287	1,257,951	Kentucky	11,706	8,159
North Carolina	510,324	504,381	Louisiana	2,246	1,496
North Dakota	1,831,394	1,382,164	Maine	6,512	4,696
Ohio	2,028,507	1,773,381	Maryland	6,894	4,489
Oklahoma	1,456,817	550,454	Massachusetts	4,701	3,188
Oregon	733,476	663,881	Michigan	13,824	13,213
Pennsylvania	1,234,338	1,200,103	Minnesota	19,209	17,953
South Carolina	125,032	117,004	Mississippi	7,527	4,675
South Dakota	714,879	520,256	Missouri	19,224	13,881
Tennessee	269,553	262,980	Montana	2,882	2,828
Texas	1,703,549	1,612,119	Nebraska	11,809	8,856
Utah	521,734	267,103	New Hampshire	1,719	1,114
Vermont	275,805	261,747	New Jersey	7,991	5,263
Virginia	561,381	553,870	New Mexico	72	40
Washington	1,308,199	1,214,752	New York	35,776	24,151
West Virginia	74,610	74,130	North Carolina	6,094	2,543
Wisconsin	3,744,886	3,303,128	North Dakota	23,149	22,751
Wyoming	12,436	12,388	Ohio	9,897	8,071
Other States	16,902	15,883	Oklahoma	6,018	4,637
Foreign 3/	139,758	135,263	Oregon	4,908	4,823
United States	50,479,600	43,278,510	Pennsylvania	25,454	16,669
			South Carolina	1,250	1,247

Continued

Table 8--Cooperative business volume 1/ by commodity and major State, 1987 2/
(Continued)

Major State	Business volume		Major State	Business volume	
	Gross	Net		Gross	Net
<u>1,000 dollars</u>			<u>1,000 dollars</u>		
<u>TOTAL FARM PRODUCTS MARKETED</u> (Continued)			<u>CONTAINERS AND PACKAGING SUPPLIES</u> (Continued)		
<u>BUILDING MATERIALS</u> (Continued)			Michigan	4,533	3,826
South Dakota	11,432	10,526	Minnesota	2,998	2,823
Tennessee	30,933	16,069	Mississippi	1,386	1,384
Texas	5,243	3,691	Missouri	10	10
Utah	211	207	Montana	299	299
Vermont	5,996	3,878	Nebraska	279	240
Virginia	19,666	13,563	New Hampshire	71	71
Washington	3,563	2,954	New Jersey	5,836	5,836
West Virginia	4,446	3,377	New Mexico	497	497
Wisconsin	8,125	6,978	New York	3,967	3,967
Wyoming	703	584	North Carolina	1,906	1,906
Other States	1,182	874	North Dakota	1,169	1,169
Foreign <u>3/</u>	<u>55</u>	<u>3</u>	Ohio	2,155	2,155
United States	483,693	372,306	Oklahoma	2,305	1,207
<u>CONTAINERS AND PACKAGING SUPPLIES</u>			Oregon	7,489	7,447
Alabama	8,301	8,301	Pennsylvania	2,528	2,528
Arizona	7,369	737	South Carolina	10	10
Arkansas	1,242	1,242	South Dakota	120	120
California	73,188	24,551	Tennessee	947	848
Colorado	1,087	1,087	Texas	22,143	16,489
Connecticut	214	214	Utah	1,974	1,737
Delaware	119	119	Vermont	969	969
Florida	148,344	46,752	Virginia	133	133
Georgia	7,520	7,520	Washington	28,115	10,477
Hawaii	841	841	Wisconsin	1,769	1,664
Idaho	194	194	Other States	44	43
Illinois	2,057	2,057	Foreign <u>3/</u>	<u>105</u>	<u>105</u>
Indiana	46	46	United States	350,180	167,522
Iowa	1,259	1,259	<u>FARM CHEMICALS</u>		
Kansas	163	163	Alabama	56,020	23,373
Kentucky	69	69	Arizona	445	296
Louisiana	487	487	Arkansas	58,581	33,613
Maine	3,577	3,577	California	39,522	30,988
Maryland	40	40	Colorado	19,811	9,655
Massachusetts	306	306	Connecticut	5,889	3,339

Continued

Table 8--Cooperative business volume 1/ by commodity and major State, 1987 2/
(Continued)

Major State	Business volume		Major State	Business volume	
	Gross	Net		Gross	Net
<u>1,000 dollars</u>			<u>1,000 dollars</u>		
<u>FARM CHEMICALS</u> (Continued)			<u>FARM CHEMICALS</u> (Continued)		
Delaware	3,669	2,777	Wyoming	3,732	1,281
Florida	15,940	15,458	Other States	32,795	24,920
Hawaii	1,944	1,474	Foreign 3/	554	103
Idaho	26,814	9,775	United States	2,274,863	1,291,242
Illinois	215,652	132,616			
Indiana	106,730	64,915	<u>FARM MACHINERY AND EQUIPMENT</u>		
Iowa	357,762	172,187	Alabama	5,742	5,685
Kansas	78,907	46,722	Arizona	333	1
Kentucky	19,763	15,451	Arkansas	14,511	6,955
Louisiana	40,286	23,957	California	14,170	7,429
Maine	8,571	6,021	Colorado	3,028	1,697
Maryland	11,392	8,397	Connecticut	3,980	2,529
Massachusetts	5,254	3,129	Delaware	1,450	1,178
Michigan	22,594	16,026	Florida	6,400	6,347
Minnesota	228,128	113,209	Hawaii	739	605
Mississippi	87,984	34,386	Idaho	5,626	3,529
Missouri	65,855	51,339	Illinois	40,457	18,021
Montana	22,019	7,694	Indiana	6,458	5,116
Nebraska	115,792	66,300	Iowa	23,500	14,241
Nevada	313	256	Kansas	15,635	11,698
New Hampshire	1,963	1,113	Kentucky	8,191	7,896
New Jersey	10,200	6,337	Louisiana	5,375	2,411
New Mexico	943	661	Maine	9,432	7,982
New York	60,913	34,592	Maryland	4,850	4,411
North Carolina	10,508	4,066	Massachusetts	4,055	2,846
North Dakota	44,623	41,164	Michigan	5,612	4,304
Ohio	86,015	57,320	Minnesota	33,978	16,858
Oklahoma	20,188	8,175	Mississippi	4,166	3,235
Oregon	16,328	15,594	Missouri	15,600	12,204
Pennsylvania	31,915	19,477	Montana	4,924	1,423
South Carolina	3,604	3,555	Nebraska	12,028	8,261
South Dakota	46,394	25,607	New Hampshire	1,332	848
Tennessee	65,486	36,640	New Jersey	7,252	5,071
Texas	58,883	38,402	New Mexico	1,086	234
Utah	5,985	5,002	New York	38,159	27,265
Virginia	24,031	14,913	North Carolina	4,433	2,227
Washington	37,968	16,127	North Dakota	21,296	14,223
West Virginia	3,810	2,563	Ohio	18,638	11,972
Wisconsin	92,388	40,277			

Continued

Table 8--Cooperative business volume 1/ by commodity and major State, 1987 2/
(Continued)

Business volume			Business volume		
Major State	Gross	Net	Major State	Gross	Net
1,000 dollars			1,000 dollars		
<u>FARM MACHINERY AND EQUIPMENT</u> (Continued)			<u>FEED</u> (Continued)		
Oklahoma	4,870	3,401	Massachusetts	38,227	29,708
Oregon	11,290	9,127	Michigan	54,051	41,136
Pennsylvania	21,822	13,530	Minnesota	310,680	185,806
South Carolina	1,245	1,245	Mississippi	63,061	41,036
South Dakota	13,793	9,617	Missouri	135,897	98,022
Tennessee	14,984	8,577	Montana	19,599	8,444
Texas	7,757	4,585	Nebraska	153,227	86,475
Utah	1,153	914	Nevada	676	584
Virginia	9,724	8,168	New Hampshire	13,403	9,995
Washington	11,088	6,774	New Jersey	37,628	22,231
West Virginia	4,255	4,173	New Mexico	2,448	1,986
Wisconsin	25,244	15,652	New York	237,922	175,500
Wyoming	769	290	North Carolina	21,158	14,009
Other States	13,187	11,216	North Dakota	45,091	20,335
Foreign	60	5	Ohio	141,725	104,911
United States	483,677	315,976	Oklahoma	51,255	31,524
<u>FEED</u>			Oregon	35,424	30,834
Alabama	85,642	69,596	Pennsylvania	132,661	83,171
Arizona	6,431	3,320	South Carolina	33,300	30,532
Arkansas	64,449	38,813	South Dakota	84,987	54,688
California	121,154	107,125	Tennessee	159,762	86,842
Colorado	40,440	25,236	Texas	64,913	42,041
Connecticut	50,536	40,313	Utah	47,890	47,444
Delaware	9,763	6,703	Virginia	86,597	73,665
Florida	74,245	67,862	Washington	24,885	19,423
Hawaii	3,660	3,660	West Virginia	16,302	12,679
Idaho	10,859	6,702	Wisconsin	259,577	186,145
Illinois	156,542	102,647	Wyoming	5,820	3,550
Indiana	129,061	77,030	Other States	144,411	123,059
Iowa	456,944	291,049	Foreign 3/	2,043	64
Kansas	154,257	101,349	United States	3,938,275	2,712,597
Kentucky	52,226	39,214	<u>FERTILIZER</u>		
Louisiana	30,612	17,362	Alabama	106,584	63,647
Maine	27,769	17,546	Arizona	862	79
Maryland	39,065	30,231	Arkansas	69,312	55,063
			California	64,306	55,607

Continued

Table 8--Cooperative business volume 1/ by commodity and major State, 1987 2/
(Continued)

Major State	Business volume		Major State	Business volume	
	Gross	Net		Gross	Net
<u>1,000 dollars</u>			<u>1,000 dollars</u>		
<u>FERTILIZER</u> (Continued)			<u>FERTILIZER</u> (Continued)		
Colorado	43,691	28,896	Washington	39,844	29,350
Connecticut	8,850	5,382	West Virginia	9,575	7,136
Delaware	6,478	4,988	Wisconsin	252,068	128,503
Florida	98,451	38,805	Wyoming	6,062	3,613
Hawaii	2,599	1,925	Other States	65,229	45,075
Idaho	27,133	20,914	Foreign <u>3/</u>	<u>39,983</u>	<u>6,760</u>
Illinois	506,287	255,475	United States	4,710,290	2,731,765
Indiana	227,523	131,203			
Iowa	627,107	326,964	<u>MEATS AND GROCERIES</u>		
Kansas	166,283	119,580	Alabama	42	42
Kentucky	68,398	40,528	Arkansas	3,795	3,795
Louisiana	82,890	35,487	California	5,903	5,903
Maine	10,897	7,430	Colorado	784	784
Maryland	22,789	17,426	Idaho	37	37
Massachusetts	8,155	5,266	Illinois	251	251
Michigan	41,666	31,800	Indiana	482	482
Minnesota	535,514	235,859	Iowa	4,181	3,786
Mississippi	127,179	78,654	Kansas	6,094	6,094
Missouri	149,744	117,351	Kentucky	84	84
Montana	33,327	23,043	Louisiana	324	324
Nebraska	205,616	131,259	Maryland	52	52
Nevada	530	449	Massachusetts	39	39
New Hampshire	2,949	1,793	Michigan	5,531	5,531
New Jersey	15,397	10,141	Minnesota	12,954	12,855
New Mexico	1,801	1,392	Missouri	15,118	15,118
New York	76,276	51,722	Montana	1,439	1,439
North Carolina	14,537	9,719	Nebraska	18,431	18,431
North Dakota	157,720	102,163	New Jersey	20	20
Ohio	172,125	100,823	New York	164	164
Oklahoma	67,410	49,979	North Dakota	3,656	3,656
Oregon	31,201	24,549	Ohio	3,617	3,617
Pennsylvania	47,431	30,618	Oklahoma	56	56
South Carolina	17,175	12,690	Oregon	950	950
South Dakota	90,932	68,687	South Dakota	561	561
Tennessee	170,276	84,829	Texas	470	470
Texas	131,107	79,508	Utah	53	53
Utah	10,595	9,908	Virginia	3,014	3,014
Virginia	48,426	39,727			

Continued

Table 8—Cooperative business volume 1/ by commodity and major State, 1987 2/
(Continued)

Major State	Business volume		Major State	Business volume	
	Gross	Net		Gross	Net
<u>1,000 dollars</u>			<u>1,000 dollars</u>		
<u>MEATS AND GROCERIES</u> (Continued)			<u>PETROLEUM</u> (Continued)		
Washington	508	508	North Dakota	283,402	155,388
Wisconsin	36,359	36,359	Ohio	143,316	103,531
Other States	2,675	2,674	Oklahoma	103,572	58,555
Foreign <u>3/</u>	<u>3,706</u>	<u>2,965</u>	Oregon	82,528	44,787
United States	131,350	130,114	Pennsylvania	265,718	226,164
<u>PETROLEUM</u>			South Dakota	222,881	136,398
Alabama	2,520	2,267	Tennessee	54,603	30,890
Arizona	1,347	1,063	Texas	122,842	72,260
Arkansas	98,659	54,968	Utah	8,621	4,519
California	25,786	7,033	Virginia	97,943	70,882
Colorado	104,665	66,687	Washington	110,891	55,218
Connecticut	33,239	31,085	West Virginia	17,598	12,059
Delaware	26,860	20,475	Wisconsin	417,409	249,639
Florida	7,711	6,091	Wyoming	31,063	21,246
Hawaii	1,006	759	Other States	50,803	45,697
Idaho	76,211	39,975	Foreign <u>3/</u>	<u>222,301</u>	<u>159,005</u>
Illinois	457,294	246,868	United States	6,960,279	4,175,061
Indiana	250,389	188,513	<u>SEED</u>		
Iowa	718,956	375,505	Alabama	27,988	18,791
Kansas	686,473	210,473	Arizona	63,584	63,537
Kentucky	75,131	51,353	Arkansas	13,106	8,222
Louisiana	11,787	4,902	California	16,384	16,384
Maine	40,822	38,668	Colorado	3,036	2,439
Maryland	85,796	61,968	Connecticut	3,979	2,393
Massachusetts	32,899	29,655	Delaware	2,514	1,849
Michigan	59,647	46,847	Florida	3,873	3,873
Minnesota	518,652	285,224	Hawaii	46	46
Mississippi	17,791	13,086	Idaho	6,716	4,483
Missouri	305,787	211,727	Illinois	50,851	32,786
Montana	118,795	53,164	Indiana	15,476	10,827
Nebraska	395,705	228,455	Iowa	42,681	33,958
Nevada	286	74	Kansas	12,587	12,587
New Hampshire	16,207	14,052	Kentucky	16,049	12,526
New Jersey	55,468	50,648	Louisiana	18,458	12,968
New Mexico	1,828	771	Maine	6,206	4,620
New York	476,912	374,293	Maryland	8,297	5,933
North Carolina	20,159	12,174	Massachusetts	3,712	2,390

Continued

Table 8--Cooperative business volume 1/ by commodity and major State, 1987 2/
(Continued)

Business volume			Business volume		
Major State	Gross	Net	Major State	Gross	Net
<u>1,000 dollars</u>			<u>1,000 dollars</u>		
<u>SEED</u> (Continued)			<u>MISCELLANEOUS SUPPLIES</u> (Continued)		
Michigan	10,607	8,833	Idaho	20,997	16,383
Minnesota	44,692	34,261	Illinois	59,089	44,544
Mississippi	29,884	20,068	Indiana	34,975	20,799
Missouri	22,081	20,681	Iowa	101,624	87,386
Montana	6,359	2,580	Kansas	81,188	70,624
Nebraska	9,108	8,209	Kentucky	24,495	18,998
Nevada	117	117	Louisiana	23,311	16,509
New Hampshire	1,333	804	Maine	16,438	9,825
New Jersey	6,401	4,021	Maryland	16,842	12,592
New Mexico	324	324	Massachusetts	14,922	9,410
New York	28,076	19,352	Michigan	37,490	30,783
North Carolina	5,339	3,237	Minnesota	170,027	115,094
North Dakota	29,342	22,042	Mississippi	40,820	27,261
Ohio	35,359	27,277	Missouri	71,840	43,835
Oklahoma	6,710	6,703	Montana	30,759	24,078
Oregon	8,861	6,585	Nebraska	59,009	48,366
South Dakota	12,785	9,264	Nevada	579	456
Texas	22,728	21,756	New Hampshire	5,831	3,626
Utah	3,459	3,202	New Jersey	26,250	16,301
Virginia	18,002	14,197	New Mexico	1,535	1,442
Washington	15,706	12,099	New York	167,086	116,104
West Virginia	4,073	3,003	North Carolina	13,255	7,965
Wisconsin	29,013	18,499	North Dakota	76,306	63,406
Other States	<u>87,236</u>	<u>58,829</u>	Ohio	39,325	34,106
United States	753,138	576,555	Oklahoma	34,082	30,139
<u>MISCELLANEOUS SUPPLIES</u> 5/			Oregon	26,313	22,457
Alabama	31,139	29,560	South Dakota	58,766	50,317
Arizona	14,950	14,364	Texas	61,341	56,911
Arkansas	44,424	33,347	Utah	15,896	14,952
California	27,185	23,904	Virginia	64,501	43,268
Colorado	30,100	25,822	Washington	39,276	29,381
Connecticut	17,082	10,468	West Virginia	9,477	7,882
Delaware	5,072	3,382	Wisconsin	119,955	104,456
Florida	18,593	17,339	Other States	244,903	163,887
Hawaii	959	927	Foreign 3/	<u>2,051</u>	<u>787</u>
			United States	2,000,058	1,523,443

Continued

Table 8--Cooperative business volume 1/ by commodity and major State, 1987 2/
(Continued)

Major State	Business volume		Major State	Business volume	
	Gross	Net		Gross	Net
	1,000 dollars			1,000 dollars	
<u>TOTAL SUPPLIES</u>			<u>TOTAL SUPPLIES</u> (Continued)		
Alabama	329,370	226,370	Virginia	372,038	281,530
Arizona	97,015	84,041	Washington	311,844	182,309
Arkansas	374,466	241,763	West Virginia	69,546	52,883
California	390,968	281,434	Wisconsin	1,241,908	788,171
Colorado	251,211	164,924	Other States	1,163,689	777,167
Connecticut	128,929	99,068	Foreign 3/	270,859	169,798
Delaware	57,986	42,829	United States	22,085,803	13,996,581
Florida	382,069	208,997			
Hawaii	12,940	11,036	<u>SERVICES</u> 6/		
Idaho	178,686	106,033	Alabama	4,502	4,502
Illinois	1,512,775	852,813	Arizona	8,599	8,599
Indiana	794,048	518,803	Arkansas	62,350	62,350
Iowa	2,382,177	1,350,207	California	136,131	136,131
Kansas	1,218,709	592,710	Colorado	20,161	20,161
Kentucky	276,112	194,278	Delaware	1,004	1,004
Louisiana	215,774	115,901	Florida	42,190	42,190
Maine	130,270	100,409	Hawaii	6,162	6,162
Maryland	196,017	145,539	Idaho	10,282	10,282
Massachusetts	112,271	85,938	Illinois	110,383	110,383
Michigan	255,554	202,298	Indiana	46,420	46,420
Minnesota	1,876,832	1,020,942	Iowa	173,107	173,107
Mississippi	380,089	224,075	Kansas	119,868	119,868
Missouri	801,156	584,168	Kentucky	6,449	6,449
Montana	240,401	124,993	Louisiana	11,779	11,779
Nebraska	981,005	604,852	Maine	2,969	2,969
Nevada	2,517	1,938	Maryland	7,682	7,682
New Hampshire	44,807	33,417	Massachusetts	1,696	1,696
New Jersey	172,443	125,871	Michigan	32,652	32,652
New Mexico	10,534	7,347	Minnesota	123,181	123,181
New York	1,125,251	827,111	Mississippi	30,038	30,038
North Carolina	97,410	57,868	Missouri	25,343	25,343
North Dakota	685,755	446,298	Montana	10,306	10,306
Ohio	652,171	453,784	Nebraska	102,775	102,775
Oklahoma	296,466	194,375	Nevada	1,236	1,236
Oregon	225,292	167,153	New Hampshire	838	838
Pennsylvania	630,527	455,304	New Jersey	4,802	4,802
South Dakota	542,651	365,785	New Mexico	4,254	4,254
Texas	497,428	336,113	New York	24,344	24,344
Utah	95,837	87,938			

Continued

Table 8--Cooperative business volume 1/ by commodity and major State, 1987 2/
(Continued)

Business volume			Business volume		
Major State	Gross	Net	Major State	Gross	Net
<u>1,000 dollars</u>			<u>1,000 dollars</u>		
<u>SERVICES</u> (Continued)			<u>TOTAL</u> (Continued)		
North Carolina	4,247	4,247	Louisiana	615,695	506,150
North Dakota	81,512	81,512	Maine	187,791	155,898
Ohio	90,716	90,716	Maryland	512,168	452,330
Oklahoma	79,003	79,003	Massachusetts	540,175	504,904
Oregon	29,393	29,393	Michigan	1,748,136	1,542,134
Pennsylvania	24,459	24,459	Minnesota	6,379,919	4,398,088
South Dakota	37,375	37,375	Mississippi	928,984	757,725
Texas	194,336	194,336	Missouri	1,996,392	1,753,470
Utah	11,483	11,483	Montana	473,009	307,315
Virginia	6,234	6,234	Nebraska	2,362,650	1,964,920
Washington	101,895	101,895	New Jersey	347,995	300,264
West Virginia	1,240	1,240	New Mexico	46,262	42,299
Wisconsin	76,457	76,457	New York	2,633,883	2,109,407
Other States	21,253	21,253	North Carolina	611,981	566,496
Foreign 3/	<u>72</u>	<u>72</u>	North Dakota	2,598,661	1,909,974
United States	1,891,178	1,891,178	Ohio	2,771,394	2,317,880
<u>TOTAL</u>			Oklahoma	1,832,287	823,833
Alabama	779,555	652,652	Oregon	988,161	860,428
Arizona	541,557	421,875	Pennsylvania	1,889,324	1,679,867
Arkansas	1,271,145	1,132,157	South Carolina	192,291	176,951
California	7,544,841	6,413,795	South Dakota	1,294,906	923,417
Colorado	631,794	477,810	Tennessee	915,178	619,229
Connecticut	211,573	172,062	Texas	2,395,314	2,142,569
Delaware	98,512	83,290	Utah	629,054	366,524
Florida	2,100,270	1,608,372	Vermont	404,030	354,395
Hawaii	96,999	89,117	Virginia	939,653	841,633
Idaho	722,159	525,055	Washington	1,721,938	1,498,956
Illinois	4,014,744	3,240,852	West Virginia	145,396	128,253
Indiana	1,934,313	1,617,236	Wisconsin	5,063,251	4,167,757
Iowa	6,326,283	4,473,691	Wyoming	70,473	51,403
Kansas	2,516,697	1,880,627	Other States	1,166,722	1,092,740
Kentucky	852,377	755,337	Foreign 3/	<u>410,689</u>	<u>305,132</u>
			United States	74,456,581	59,166,269

Footnotes to Table 8

1/ Data covering operations of cooperatives whose business years ended during the 1987 calendar year. Includes independent local cooperatives, federations, centralized regional cooperatives, and cooperatives with mixed organizational structures. The volume of products marketed is allocated to the State in which they originate and the volume of farm supplies is allocated to the State in which they are sold; service volume is allocated to the State of origin when services relate to farm products marketed or to the State of destination when related to farm supplies sold.

2/ Gross business volume includes sales between cooperatives. Net business volume excludes sales between cooperatives. Major States include those where more than two cooperatives handle the commodity or farm supply or where disclosure is not a problem. Totals may not add due to rounding.

3/ Includes value of farm products imported, farm supplies exported, services related to imported farm products or exported farm supplies, sales to domestic military installations, or sales of farm products not received directly from member-patrons.

4/ Includes forest products, hay, hops, nursery stock, coffee, and other farm products not separately classified. Also includes manufactured food products and resale items marketed by cooperatives.

5/ Includes automotive supplies, hardware, chicks, and other supplies not separately classified.

6/ Income from services related to marketing and purchasing activities but not included in the volumes reported for these activities.

Figure 7

Net Income of Farmer Cooperatives

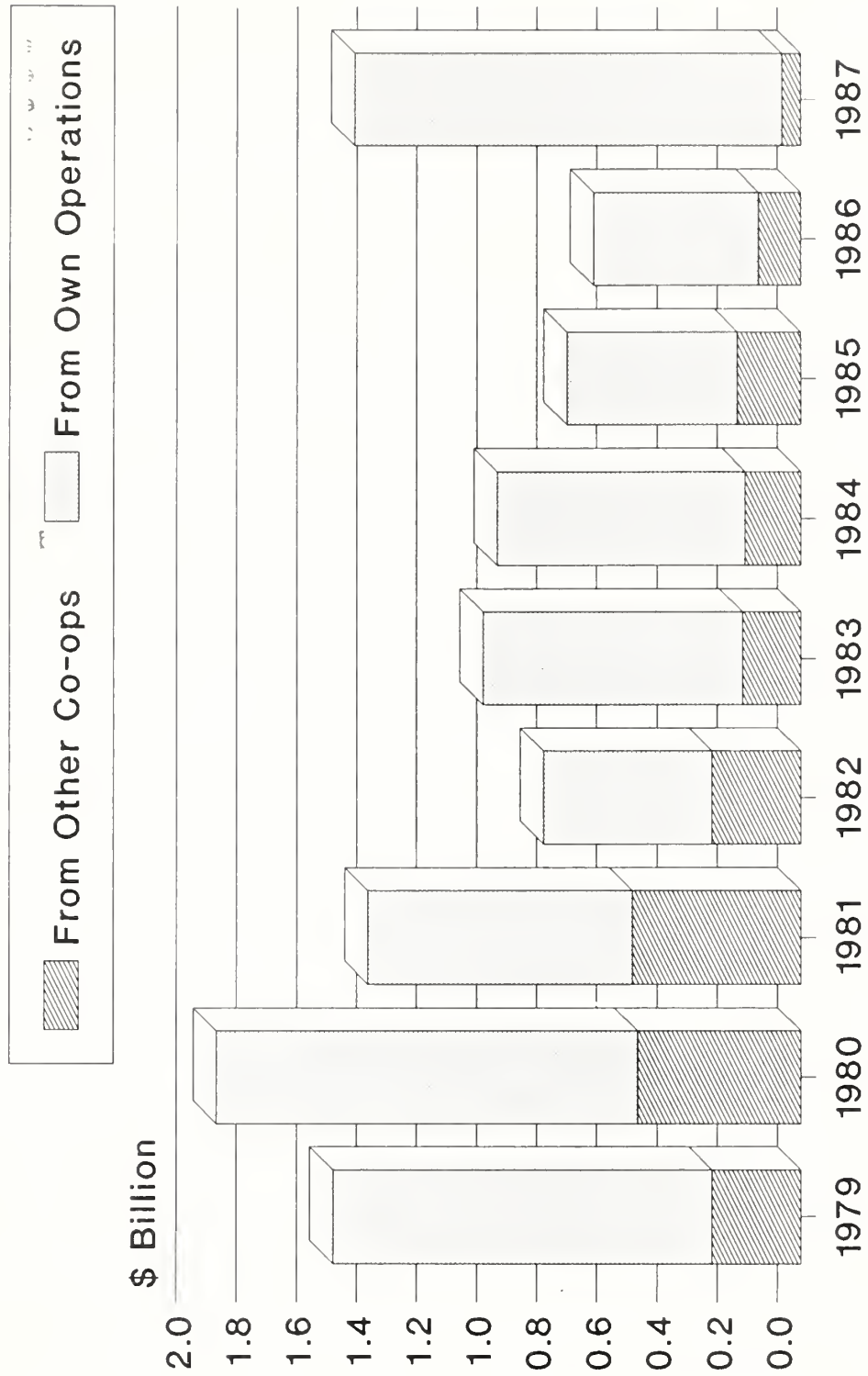


Table 9--Net income of farmer cooperatives, selected years 1/

Year	From other cooperatives	From own operations	Total
<u>Million dollars</u>			
1954	57	275	332
1962	62	464	525
1970	40	438	478
1976	515	1,330	1,844
1977	390	956	1,346
1979	294	1,262	1,556
1980	541	1,403	1,944
1981	558	882	1,440
1982	294	560	854
1983	193	863	1,055
1984	185	824	1,009
1985	210	566	775
1986	140	548	688
1987	63	1,423	1,486

1/ Data for 1954, 1962, 1970, and 1976 were taken from ACS financial profile studies. These studies did not include all cooperatives. Totals may not add due to rounding. Does not include income from cooperative pooling operations.

Table 10--Farmer cooperative net income, 1987 1/

Principal products marketed and major function	Co-ops <u>2/</u>	Total net income	Income from own operations	Income (losses) from other co-ops <u>3/</u>
	<u>Number</u>	<u>Million Dollars</u>		
Products marketed:				
Cotton	370	236.6	221.4	15.2
Dairy	298	201.5	166.1	35.4
Fruits & vegetables	312	158.0	157.3	.7
Grain, soybeans, and soybean meal & oil	1,446	369.9	386.3	(16.4)
Livestock and poultry	301	118.3	118.7	(.4)
Rice	50	4.7	4.0	.7
Sugar	38	5.6	5.4	.3
Other products <u>4/</u>	239	14.1	14.0	.1
Total farm products	3,054	1,108.7	1,073.3	35.5
Total farm supplies	1,941	351.3	326.3	25.0
Total selected services	114	26.1	23.6	2.6
Combined total	5,109	1,486.2	1,423.1	63.0

1/ Number of cooperatives includes cooperatives operating on a pooling rather than net margin basis. Totals may not add due to rounding.

2/ Many cooperatives are multiproduct and multifunctional in operations and are classified according to predominant commodity or function indicated by business volume.

3/ Includes equity writeoffs due to federated cooperative losses.

4/ Includes dry edible beans and peas, nuts, tobacco, wool and mohair, and miscellaneous products.

Balance Sheet

Combined assets for all farmer cooperatives totaled \$27.6 billion in 1987, up 4.3 percent from \$26.5 billion for 1986 (table 11 and figure 8). Assets of cooperatives, excluding intercooperative investments, totaled \$24.8 billion compared with \$23.6 billion, a 5.0-percent increase (table 12).

Total liabilities were \$14.8 billion, up 1.5 percent from the \$14.6 billion reported in 1986. Net worth, or member and patron equity, was \$12.8 billion, up 7.8 percent from \$11.9 billion. The proportion of total assets financed by equity increased from 44.9 to 46.4 percent.

Of the \$27.6 billion in total assets, marketing cooperatives accounted for nearly \$18.0 billion, up 4.6 percent from \$17.2 billion for 1986. Cooperatives whose principal products were grain, soybeans, and soybean meal and oil had total assets of \$6.3 billion in 1987 and \$6 billion in 1986, a 5.5-percent increase. These cooperatives also maintained the largest proportion of investments in other cooperatives in both 1987 (13.1 percent) and 1986 (15.7 percent).

Assets of marketing cooperatives, excluding investments in other cooperatives, were nearly \$16.6 billion, up from the \$15.7 billion reported in 1986.

Farm supply cooperatives had total assets of more than \$9.4 billion compared with \$9.1 billion in 1986. Excluding intercooperative investments, assets amounted to \$8.1 billion in 1987, up 3.4 percent from the previous year.

Current and term liabilities of marketing cooperatives totaled nearly \$10.1 billion, up from \$9.8 billion. This represented more than two-thirds (68.1 percent) of total liabilities for all cooperatives, compared with 67.1 percent in 1986. Grain marketing cooperatives showed more than \$2.8 billion, a 1.9-percent increase. Combined liabilities financed 53.6 percent of total cooperative assets (table 13).

Net worth or member and patron equity for all marketing cooperatives totaled \$7.9 billion, up 6.6 percent from 1986. Marketing cooperatives again maintained more than three-fifths of the total (61.6 percent), while farm supply cooperatives accounted for 37.1 percent. The highest percent of total assets represented by net worth for all marketing cooperatives (55.5 percent) was for cooperatives primarily marketing grain, soybeans, and soybean meal and oil. The lowest percent (27.2 percent) was for cooperatives primarily marketing other products. 7/ Cooperatives classified as farm marketing and farm supply had 43.9 and 50.4 percent, respectively.

7/ Includes dry edible beans and peas, nuts, tobacco, wool, and miscellaneous products.

Table 11--Selected balance sheet data for farmer cooperatives, 1987 1/

Principal products marketed and major function	Co-ops <u>2/</u>	Total assets	Total liabilities	Net worth
	<u>Number</u>	<u>Million Dollars</u>		
Products marketed:				
Cotton	370	1,237.3	568.4	668.9
Dairy	298	4,104.3	2,526.2	1,578.2
Fruits & vegetables	312	3,530.2	2,416.6	1,113.6
Grain, soybeans, & soybean meal & oil	1,446	6,332.8	2,816.7	3,516.1
Livestock & poultry	301	822.2	498.3	323.9
Rice	50	416.3	263.1	153.2
Sugar	38	848.8	490.2	358.5
Other products <u>3/</u>	239	697.0	507.2	189.9
Total farm products	3,054	17,988.9	10,086.7	7,902.2
Total farm supplies	1,941	9,427.7	4,673.2	4,754.5
Total selected services	114	226.8	59.4	167.4
Combined total	5,109	27,643.5	14,819.3	12,824.2

1/ Totals may not add due to rounding.

2/ Many cooperatives are multiproduct and multifunctional in operations and are classified according to predominant commodity or function indicated by business volume.

3/ Includes dry edible beans and peas, nuts, tobacco, wool and mohair, and miscellaneous products.

Figure 8

Assets of Farmer Cooperatives

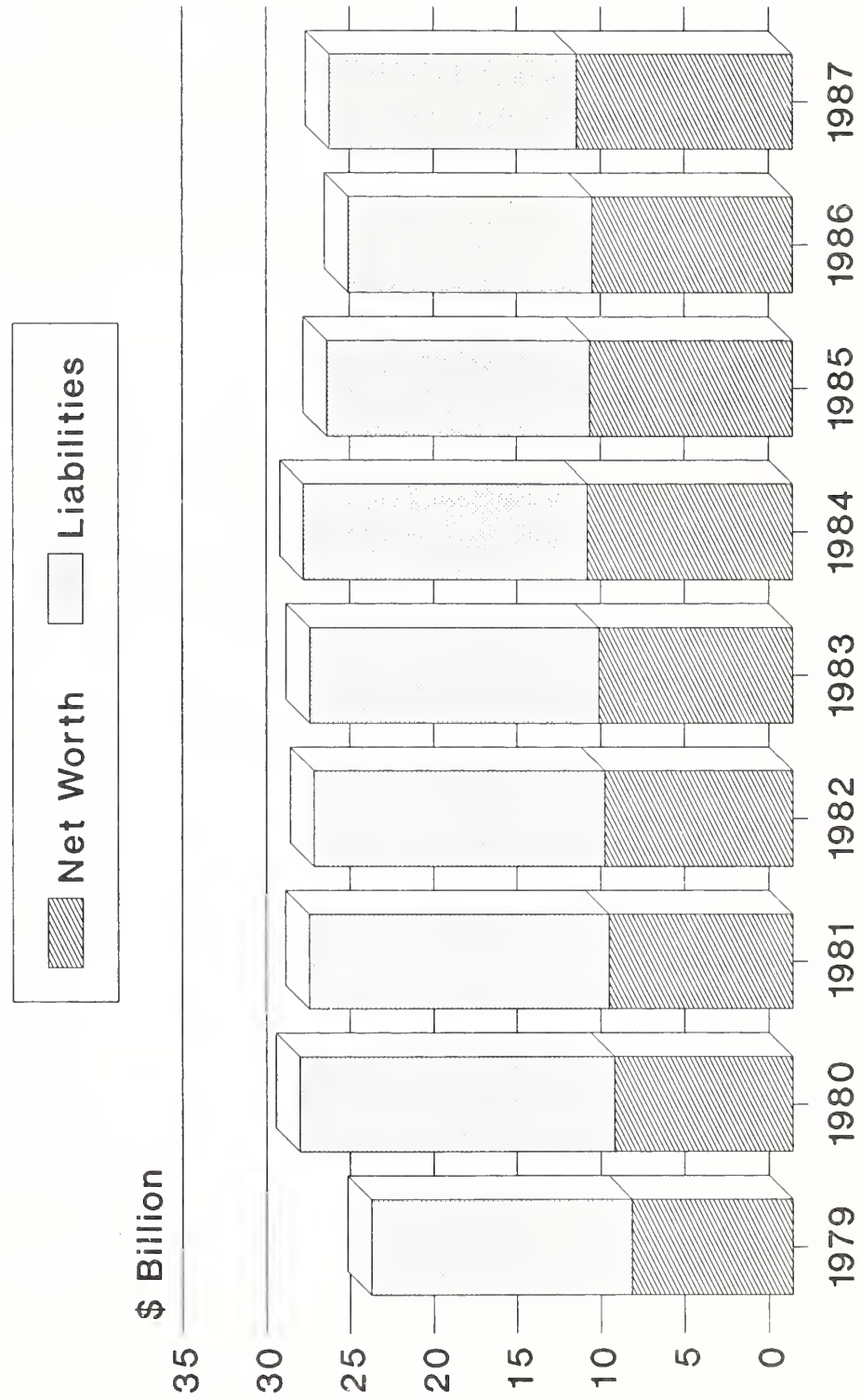


Table 12--Assets of farmer cooperatives, 1987 ^{1/}

Principal products marketed and major function	Co-ops <u>2/</u>	Assets from own operations	Investments in other co-ops	Total assets	Investments in other co-ops as percent of total
	<u>Number</u>	<u>-----Million Dollars-----</u>			<u>Percent</u>
Products marketed:					
Cotton	370	1,146.1	91.3	1,237.3	7.4
Dairy	298	3,710.3	394.1	4,104.3	9.6
Fruits & vegetables	312	3,491.0	39.2	3,530.2	1.1
Grain, soybeans, & soybean meal & oil	1,446	5,503.2	829.6	6,332.8	13.1
Livestock & poultry	301	753.4	68.8	822.2	8.4
Rice	50	412.7	3.6	416.3	.9
Sugar	38	846.3	2.4	848.8	.3
Other products <u>3/</u>	239	694.9	2.1	697.0	.3
Total farm products	3,054	16,557.9	1,431.0	17,988.9	8.0
Total farm supplies	1,941	8,062.2	1,365.5	9,427.7	14.5
Total selected services	114	202.9	23.9	226.8	10.5
Combined total	5,109	24,823.0	2,820.4	27,643.5	10.2

^{1/} Totals may not add due to rounding.

^{2/} Many cooperatives are multiproduct and multifunctional in operations and are classified according to predominant commodity or function indicated by business volume.

^{3/} Includes dry edible beans and peas, nuts, tobacco, and miscellaneous products.

Table 13--Balance sheet data of farmer cooperatives, selected years 1/

Years	Total liabilities	Net worth	Total assets	Investments in other cooperatives	Assets from own operations
<u>Million dollars</u>					
1954	1,437	1,914	3,351	278	3,073
1962	2,266	3,057	5,323	498	4,825
1970	4,527	3,950	8,477	796	7,681
1976	10,827	7,727	18,554	1,586	16,968
1977	10,879	8,061	18,940	2,088	16,852
1979	15,607	9,546	25,153	2,248	22,905
1980	18,825	10,591	29,416	2,490	26,926
1981	17,918	10,922	28,840	2,585	26,255
1982	17,394	11,159	28,553	2,751	25,802
1983	17,275	11,535	28,810	2,946	25,864
1984	17,001	12,181	29,182	2,981	26,201
1985	15,726	12,053	27,779	3,270	24,509
1986	14,601	11,895	26,496	2,857	23,639
1987	14,819	12,824	27,643	2,820	24,823

1/ Data for 1954, 1962, 1970, and 1976 were taken from ACS financial profile studies. These studies did not include all cooperatives.

Other Service Organizations

Other types of service cooperatives or organizations were operating in 1987 besides those directly related to marketing and purchasing. Data for these organizations are shown by farm credit district in table 14 and by State in table 15. A map showing States in each district appears as figure 9.

Federal Land Bank Associations

Federal land bank associations totaled 232 with \$34.7 billion in outstanding loans throughout the United States and Puerto Rico. The Texas district led all farm credit districts with 19.0 percent of the total number of associations, and the Omaha district ranked second with 13.4 percent. Total assets of the Federal land bank associations were \$39.0 billion. Net worth was nearly \$1.5 billion, representing 3.8 percent of the total assets. The St. Paul district was the leader in outstanding loans (\$5.0 billion) and assets (\$5.6 billion). However, the Columbia district led in net worth with 17.7 percent of the total, followed by the Wichita district with 14.9 percent.

Production Credit Associations

Production credit associations (PCA's), totaling 145, had outstanding loans of more than \$9.4 billion. Assets totaled \$11.3 billion while net worth, of nearly \$2.1 billion, financed 18.8 percent of the total.

PCA's in the St. Paul district led in two categories nationally, accounting for 18.3 percent of total assets, and 13.9 percent of total net worth. The Sacramento district was the leader in loans outstanding with 19.6 percent of the total.

Banks for Cooperatives

The 12 district banks for cooperatives along with the Central Bank had outstanding loans of nearly \$4.0 billion. Total assets were \$5.5 billion and net worth totaled \$1.0 billion. The proportion of total assets financed by equity was 18.2 percent.

The St. Paul district led all farm credit districts with 23.1 percent of the outstanding loans, 22.1 percent of the total assets, and 23.3 percent of member equity.

Rural Telephone Cooperatives

Rural telephone cooperatives borrowing from the Rural Electrification Administration (REA), totaled 247, with revenues of \$673 million and 1,077,000 subscriber members.

Iowa again had the largest number of cooperatives (13.4 percent of the total), while South Carolina accounted for more subscriber memberships (9.3 percent) than any other State. Texas led all States in revenue, with 13.1 percent of the total.

Table 14--Number and level of activity of Farm Credit System cooperatives, by district 1/

District 2/	Asso- ciations	Net worth	Assets	Net loans outstanding
	<u>Number</u>	<u>Million Dollars</u>		
<u>Federal Land Banks</u>				
Springfield	18	85	886	775
Baltimore	26	167	1,923	1,794
Columbia	20	262	4,089	3,617
Louisville	9	101	2,923	2,686
Jackson	1	(6)	2,002	1,632
St. Louis	21	145	3,682	3,271
St. Paul	26	94	5,584	4,955
Omaha	31	45	4,032	3,652
Wichita	15	221	3,581	3,327
Texas	44	160	2,875	2,344
Sacramento	20	174	4,400	3,929
Spokane	1	35	2,993	2,718
United States	232	1,483	38,971	34,699
<u>Production Credit Associations</u>				
Springfield	18	106	637	589
Baltimore	26	152	778	703
Columbia	1	285	1,031	766
Louisville	6	247	1,068	778
Jackson	2	116	471	380
St. Louis	4	209	656	505
St. Paul	23	294	2,062	1,795
Omaha	1	40	555	427
Wichita	18	161	626	485
Texas	23	211	887	791
Sacramento	21	275	2,057	1,852
Spokane	2	19	432	379
United States	145	2,113	11,259	9,448
<u>Banks For Cooperatives 3/</u>				
Springfield	1	39	186	125
Baltimore	1	18	79	54
Columbia	1	64	348	256
Louisville	1	87	488	371
Jackson	1	106	475	350
St. Louis	1	75	396	318
St. Paul	1	233	1,215	923
Omaha	1	69	439	301
Wichita	1	140	644	452
Texas	1	40	440	178
Sacramento	1	80	515	466
Spokane	1	50	271	202
United States	12	1,002	5,496	3,995

Footnotes to Table 14

1/ For year ended December 31, 1987. Source: Summary Report of Condition and Performance of the Farm Credit System. Totals may not add due to rounding.

2/ See figure 9.

3/ Does not include the Central Bank for Cooperatives which had net worth of \$353,634,000; assets of \$5,997,690,000; and net loans outstanding of \$4,215,806,000.

Table 15--Number, participation, and level of activity of service cooperatives by State 1/

State	Rural telephone cooperatives <u>2/</u>			Rural electric cooperatives <u>2/</u>		
	Coopera- tives	Members (subscribers)	Revenue	Coopera- tives	Members (consumers)	Revenue
	<u>Number</u>	<u>1,000</u>	<u>Mil. dol.</u>	<u>Number</u>	<u>1,000</u>	<u>Mil. dol.</u>
Alabama	3	20	10	22	336	461
Alaska	7	33	43	14	151	267
Arizona	1	3	4	7	90	235
Arkansas	2	6	3	20	306	649
California	-	-	-	3	12	13
Colorado	5	7	5	24	283	744
Delaware	-	-	-	1	40	32
Florida	-	-	-	15	445	839
Georgia	4	21	10	43	932	1,747
Idaho	3	8	5	9	43	47
Illinois	7	22	14	29	201	433
Indiana	9	26	14	42	325	762
Iowa	33	52	28	50	172	347
Kansas	11	38	27	37	171	398
Kentucky	8	72	35	28	488	1,198
Louisiana	-	-	-	13	282	881
Maine	-	-	-	4	13	9
Maryland	-	-	-	2	111	142
Michigan	-	-	-	14	197	168
Minnesota	19	63	32	50	472	786
Mississippi	-	-	-	23	450	761
Missouri	8	42	25	46	434	1,051

Continued

Table 15—Number, participation, and level of activity of service cooperatives by State 1/ (Continued)

State	Rural telephone cooperatives 2/			Rural electric cooperatives 2/		
	Coopera- tives	Members (subscribers)	Revenue	Coopera- tives	Members (consumers)	Revenue
	<u>Number</u>	<u>1,000</u>	<u>Mil. dol.</u>	<u>Number</u>	<u>1,000</u>	<u>Mil. dol.</u>
Montana	8	33	32	25	94	128
Nebraska	7	12	7	3	8	95
Nevada	-	-	-	3	14	24
New Hampshire	-	-	-	1	58	44
New Jersey	-	-	-	1	9	11
New Mexico	5	14	20	17	133	320
New York	-	-	-	4	12	8
North Carolina	9	93	40	29	545	1,167
North Dakota	10	52	30	26	100	787
Ohio	7	7	3	28	250	433
Oklahoma	2	39	30	26	319	513
Oregon	10	32	21	14	96	117
Pennsylvania	-	-	-	13	166	285
South Carolina	6	100	52	22	396	796
South Dakota	14	41	26	34	105	240
Tennessee	7	89	40	20	579	694
Texas	21	97	88	72	810	1,284
Utah	3	7	6	5	21	201
Vermont	-	-	-	3	19	28
Virginia	4	12	6	14	272	552
Washington	-	-	-	8	32	40
West Virginia	2	3	1	1	5	3
Wisconsin	11	32	16	30	173	310
Wyoming	1	1	1	13	65	137
United States	247	1,077	673	908	10,236	20,184

Continued

Table 15--Number, participation, and level of activity of service cooperatives by State 1/ (Continued)

State	Rural credit unions 3/			Dairy herd improvement 4/	
	Coopera- tives	Members	Loans made during year	Members (herds)	Cows tested
	<u>Number</u>	<u>1,000</u>	<u>Mil. dol.</u>	<u>Number</u>	<u>1,000</u>
Alabama	12	18	37	148	20
Alaska	1	14	39	1	1
Arizona	5	13	22	88	49
Arkansas	4	3	6	157	11
California	79	722	2,153	1,199	556
Colorado	16	15	32	143	26
Connecticut	2	1	1	173	15
Delaware	1	2	6	48	4
Florida	22	82	199	63	25
Georgia	20	28	48	249	35
Hawaii	19	81	333	1	1
Idaho	16	16	27	341	38
Illinois	20	56	110	1,101	70
Indiana	24	41	205	719	47
Iowa	15	8	12	1,263	69
Kansas	31	70	182	584	43
Kentucky	7	25	48	486	35
Louisiana	13	16	21	223	24
Maine	11	24	45	240	16
Maryland	7	40	127	607	51
Massachusetts	10	9	11	201	13
Michigan	31	339	531	1,404	122
Minnesota	42	147	332	4,420	244
Mississippi	7	5	4	170	18
Missouri	9	15	25	700	50

Continued

Table 15--Number, participation, and level of activity of service cooperatives by State 1/ (Continued)

State	Rural credit unions 3/			Dairy herd improvement 4/	
	Coopera- tives	Members	Loans made during year	Members (herds)	Cows tested
	<u>Number</u>	<u>1,000</u>	<u>Mil. dol.</u>	<u>Number</u>	<u>1,000</u>
Montana	17	54	134	86	8
Nebraska	19	11	22	403	31
Nevada	7	25	73	30	8
New Hampshire	3	2	1	150	10
New Jersey	7	12	14	171	14
New Mexico	4	40	116	30	16
New York	35	134	327	2,427	195
North Carolina	19	28	45	511	62
North Dakota	43	83	274	125	8
Ohio	17	57	62	1,563	105
Oklahoma	5	7	21	228	18
Oregon	13	51	128	363	49
Pennsylvania	25	30	45	3,479	214
Rhode Island	5	46	234	13	1
South Carolina	4	7	22	155	25
South Dakota	10	10	19	178	12
Tennessee	13	12	25	529	53
Texas	41	90	221	470	83
Utah	11	13	22	255	33
Vermont	8	10	13	748	54
Virginia	10	34	70	733	80
Washington	19	125	352	531	82
West Virginia	6	4	3	144	12
Wisconsin	86	431	1,046	6,141	364
Wyoming	3	4	5	1	1
United States	854	3,110	7,850	34,193	3,118

1/ For year ended December 31, 1987. Totals may not add due to rounding.

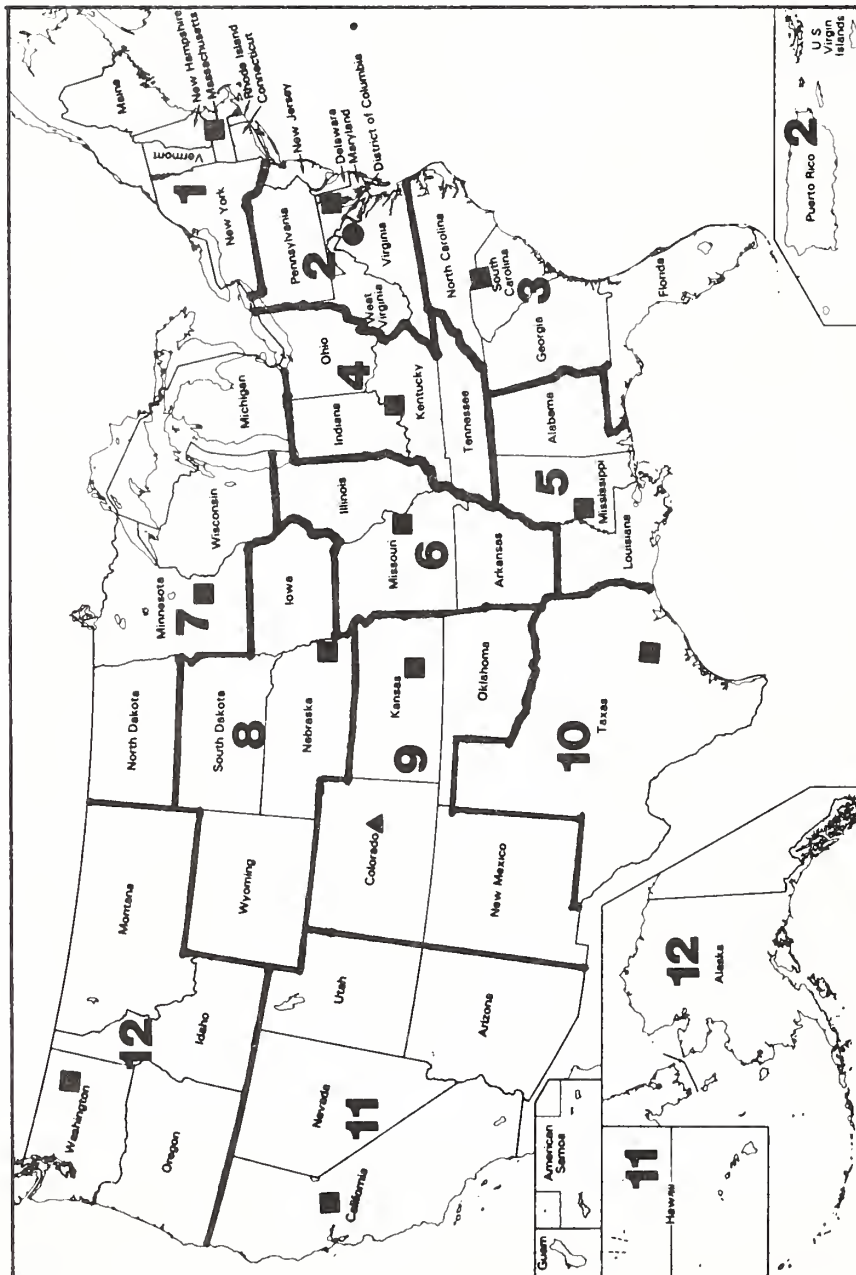
2/ Source: Rural Electrification Administration, USDA.

3/ Source: Credit Union National Association, Inc. (Includes federally chartered and State-chartered credit unions.)

4/ Source: Agricultural Research Service, USDA.

Figure 9

Cooperative Farm Credit Districts



1. – Springfield, MA
2. – Baltimore, MD
3. – Columbia, SC
4. – Louisville, KY
5. – Jackson, MS
6. – St. Louis, MO
7. – St. Paul, MN
8. – Omaha, NB
9. – Wichita, KS
10. – Houston, TX
11. – Sacramento, CA
12. – Spokane, WA

- Farm Credit Administration (McLean, VA)
- Farm Credit Bank Headquarters
- ▲ Farm Credit Banks for Cooperatives (Denver, CO)

Rural Electric Cooperatives

Rural electric cooperatives, totaling 908, reported 10.2 million consumer members and revenue of nearly \$20.2 billion.

Texas again led all States, with 7.9 percent of total associations, while Georgia led with the most consumer members (9.1 percent of total) and revenue (8.7 percent of the total).

Rural Credit Unions

Rural credit unions numbering 854 reported 3.1 million members holding share savings of nearly \$7.9 billion.

Wisconsin led all States in number of associations with 10.1 percent of total, while California led in number of members, with 23.2 percent of the total, and in loans made with 27.4 percent of the total.

Dairy Herd Improvement Associations

Dairy herd improvement memberships numbered 34,193 and cows tested totaled nearly 3.1 million.

New York (2,427), Pennsylvania (3,479), Minnesota (4,420), and Wisconsin (6,141) combined accounted for 48.2 percent of total members. Nearly 556,000, or 17.8 percent, of the cows tested were in California.

U.S. Department of Agriculture Agricultural Cooperative Service

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Agricultural Cooperative Service (ACS) provides research, management, and educational assistance to cooperatives to strengthen the economic position of farmers and other rural residents. It works directly with cooperative leaders and Federal and State agencies to improve organization, leadership, and operation of cooperatives and to give guidance to further development.

The agency (1) helps farmers and other rural residents develop cooperatives to obtain supplies and services at lower cost and to get better prices for products they sell; (2) advises rural residents on developing existing resources through cooperative action to enhance rural living; (3) helps cooperatives improve services and operating efficiency; (4) informs members, directors, employees, and the public on how cooperatives work and benefit their members and their communities; and (5) encourages international cooperative programs.

ACS publishes research and educational materials and issues *Farmer Cooperatives* magazine. All programs and activities are conducted on a nondiscriminatory basis, without regard to race, creed, color, sex, age, marital status, handicap, or national origin.